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Eighteenth
^ ANNUAL REPORT

OF THE

Croton Aqueduct Department,

MADE TO THE COMMON COUNCIL OF THE CITY OF
NEW YORK.

FOR THE YEAR 1866.

BOARD OF ALDERMEN,
JANUARY 7, 1867.

DOCUMENT No. 2.

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Geo. Augustus Cushing,
of New York.

Croton Aqueduct Department,

ORGANIZED

UNDER A LAW OF THE LEGISLATURE

Of the State of New York,

PASSED APRIL 11, 1849.

Croton Aqueduct Board.

PRESIDENT COMMISSIONER,
THOMAS STEPHENS,

ASSISTANT COMMISSIONER,
ROBERT L. DARRAGH,

COMMISSIONER AND ENGINEER,
ALFRED W. CRAVEN.

Assistant Engineers.
BENJAMIN S. CHURCH,
ESTEVAN J. FUERTES.

HENRY L. ROBERTSON, CLERK TO CROTON AQUEDUCT BOARD.
ALEXANDER F. DODGE, CONTRACT CLERK.

Bureau of Water Rents.
WILLIAM H. MCKENNEY, WATER REGISTRAR.

Bureau of Pipes, Sewers, and Pavements.
WILLIAM WALSH, WATER PURVEYOR.
THEODORE WESTON, ENGINEER IN CHARGE OF SEWERS.

DOCUMENT No. 2.

BOARD OF ALDERMEN,

JANUARY 7, 1867.

The following Annual Report of the Croton Aqueduct Board for the year 1866, was received, and the usual number of copies ordered to be printed in Document form.

D. T. VALENTINE,
Clerk.

CROTON AQUEDUCT DEPARTMENT,
January 1, 1867.

To the Honorable the Common Council of the city of New York :

GENTLEMEN—We have the honor to submit our Report of the operations of this Department during the year

1866, arranged under the different heads of work and expenditure as follows

AQUEDUCT REPAIRS AND IMPROVEMENTS.

An unusually large quantity of work on the retaining walls, embankments, culverts, ditches, &c., along the line of the aqueduct has been made necessary by the heavy rains which have taken place during the year.

In addition to this character of work, which, to a certain extent, is necessary every year, we have been obliged during the past season to make extensive repairs at Croton Dam.

The inner apron at the foot of the dam is made of timber crib-work filled in with concrete and planked over. Much of this structure required renewal ; and, considering the short time in which work could be done in such a place, very considerable progress has been made.

From so much of it as it was safe to disturb at one time the decayed and damaged portions were removed ; a solid framework of twelve-inch timber was then bolted to the substructure, the spaces filled in with concrete, and the whole covered with six-inch plank.

These planks, being each thirty-five feet long, reach the whole width of the apron without a break.

The original apron at the foot of the weir having been so constructed as to form with the lower part of the dam itself a reversed curve, with a tangent rising rapidly above the level at which the water left the dam itself, the free

flow of the water has been checked, and the consequent disturbance has at times resulted in much damage to the outer apron and to the heavy paving of the river bed beyond it.

Advantage was taken of the opportunity afforded by the repairs of this year to partially correct this evil, and the plane tangent to the masonry has been made as nearly horizontal as the curve of the lower part of the dam and the condition of the inner and outer aprons rendered advisable.

It would be desirable to make this plane perfectly horizontal, so as to coincide with the bed of the river at that point; but, in the present condition of the structures, this would require much additional expense, and it is believed that the partial improvement which we have been able to make may prove sufficient to render further alteration unnecessary.

The work done on this apron could be prosecuted only during the dry season, when no water was flowing over the weir. The time during which the weir continues dry in ordinary seasons is about forty days; but, owing to the unusually frequent rain-storms through the past season, there were but eighteen days in which it was possible to proceed with the work.

During this time the defective portions of the old aprons were removed and the repairs completed for a length of 122 feet, or nearly one-half of the whole work to be done.

The cost of the completed portion, including materials, was \$3,905.

We have on hand materials (timber, &c.) sufficient to complete the whole work during the coming season.

The cost of the materials on hand was \$3,727, which amount added to the cost of the completed portions of the apron will make the sum thus far expended \$7,632.

To enable us to make repairs to the gates in the main gate-house at Croton Dam, the water was shut off from the aqueduct from the 25th to the 28th of June last. During this time the wooden clamps and sills were taken out and replaced by iron frames and iron seats, which were secured permanently to the granite-work by composition bolts.

As a further provision against the effects of leakage, a waste-pipe, 12 inches diameter, with proper stop-gate and stop-plank, has been placed in the aqueduct just below the gate-house.

These improvements will in future secure us against delays and inconvenience in our annual or casual repairs.

The floor timbers of the iron bridge, 250 feet in length, over the Croton river, below the dam, have this year, for the first time since its construction, in 1852, been replaced with new material.

The cost, including painting, was \$462.

The reconstruction of the arch on the third division over the highway above Tarrytown has been completed, and the general work in rebuilding and repairs to retaining-walls has been during the past year, as it was in 1864, greater on this than on any other division of the line.

The annual inspection of the interior of the aqueduct was made in November. The water was shut off on the 12th at 6 A. M. and let on again at 8 P. M. on the 16th, during which period (four days and fourteen hours), the city was supplied from the reservoirs within its limits.

The aggregate length of fissures or checks repaired during this time are shown as follows :

On the 1st Division	153 feet.
“ 2d “	889 “
“ 3d “	1,415 “
“ 4th “	318 “
“ 5th “	403 “
“ 6th “	634 “
“ 7th “	100 “
“ 8th “	948 “
<hr/>	
Total on line.....	4,860 feet.

The following table gives a summary of the fencing, stone, and earthwork done on the several divisions of the aqueduct during the year :

	Cubic yards of masonry.	Cubic yards of general stone-work, repairing walls, &c.	Length in feet of stone fence.	Length in feet of board fence.	Cubic yards of retaining-wall rebuilt.	Cubic yards of earth embankment.
1st Division			876	1,912		45
2d Division.....		30		173		
3d Division.....	60	918			2,410	
4th Division.....				4,173		
5th Division.....	14	286	235	1,556	242	310
6th Division.....				400		
7th Division.....		152		800		60
8th Division.....		66				83
Totals.	74	1,447	1,111	9,014	2,652	498

The preceding work has been done under the immediate supervision of Mr. B. S. Church, Assistant Engineer, who has performed his duties faithfully and well.

Under this head a description was given in our last annual report of an experiment commenced in November, 1865, with a view to prevent corrosion of the wrought-iron pipe on the High Bridge. The principle adopted was that which Mr. Becquerel, of the French Academy, had applied successfully in various experiments made by him in 1864. The examination of the pipe in November of this year showed that our experiment had been unsuccessful. As, however, the present failure may be owing

to an imperfect removal of the previous oxydation from the portion of the pipe to which the zinc was applied, or from some other defect in the manner of making the test, we propose to make further trial. The question is too important to discuss without the fullest investigation ; and the authority on which the test was made is too eminent to leave us without hope as to its success if properly applied.

TABLE Showing the Precipitation of Rain, Melted Snow, and Snow; the Range of the Thermometer and the Evaporation, during the year 1886.

MONTHS.	AMOUNT OF RAIN AND MELTED SNOW IN VERTICAL INCHES.					AMOUNT OF SNOW IN VERTICAL INCHES.					EVAPORATION.					THERMOMETER IN THE OPEN AIR. MONTHLY AVERAGES.				
	Sing Sing Station.	Tarrytown Station.	Fordham Station.	Receivng Station.	Inches.	Sing Sing Station.	Tarrytown Station.	Fordham Station.	Receivng Station.	Inches.	From woodel box sunk in the earth.	From woodel box in baten.	From the box in baten.	Inches.	Degs.	Sing Sing Station.	Tarrytown Station.	Fordham Station.	Receivng Station.	Average.
	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Degs.	Degs.	Degs.	Degs.	Degs.	Degs.
January.....	·85	1·83	1·48	1·01	9·50	11·00	11·50	8·75	.....	.....	.....	.....	.....	.....	24·17	23·49	25·40	24·59	.....	.....
February.....	7·22	4·48	5·76	5·38	6·00	6·50	6·75	7·25	.....	.....	.....	.....	.....	.....	27·91	27·62	29·58	29·74	28·71	.....
March.....	2·60	2·10	2·47	2·44	2·00	2·00	1·50	2·00	1·36	1·16	1·12	1·12	1·12	1·12	34·10	33·90	35·20	34·57	34·44	.....
April.....	2·48	2·65	3·25	2·66	2·00	.....	1·75	.....	2·13	2·03	2·01	.....	.....	.....	50·85	49·81	50·17	49·66	50·01	.....
May.....	9·12	4·57	4·09	4·33	.....	.....	.....	.....	5·18	5·21	5·26	5·18	5·21	5·26	57·46	56·77	58·00	56·68	57·23	.....
June.....	7·75	3·39	3·21	2·68	.....	.....	.....	.....	5·49	5·82	5·98	5·49	5·82	5·98	66·47	67·78	69·30	68·01	68·64	.....
July.....	7·87	3·63	4·36	4·13	.....	.....	.....	.....	6·06	7·26	6·86	7·26	6·86	7·26	76·78	75·04	78·48	77·42	76·93	.....
August.....	8·4	6·72	6·03	5·48	.....	.....	.....	.....	7·29	7·53	8·16	7·53	8·16	7·53	67·15	65·75	67·57	69·47	47·49	.....
September.....	9·22	6·23	4·59	3·69	.....	.....	.....	.....	4·19	4·50	4·70	4·50	4·70	4·50	63·77	63·13	65·36	66·02	64·57	.....
October.....	5·6	5·71	5·16	5·41	.....	.....	.....	.....	2·85	3·26	4·49	3·26	4·49	3·26	50·81	51·61	53·11	54·10	52·41	.....
November.....	6·75	3·08	2·87	3·16	.....	.....	.....	.....	2·60	4·31	3·78	4·31	3·78	4·31	42·80	42·66	43·43	44·94	42·46	.....
December.....	7·79	3·38	4·04	3·04	7·50	10·50	3·50	3·25	·47	·47	·47	·47	·47	·47	29·10	28·45	29·49	30·32	29·34	.....
.....	75·70	47·30	47·31	43·41	27·00	30·00	25·00	21·25	37·61	41·55	43·84	41·55	43·84	41·55	Yearly average.....					48·07

Thermometrical Observations in Open Air and Water of Aqueduct.

MONTHS.	HIGHEST AND LOWEST RANGE FAHRENHEIT IN THE OPEN AIR.										HIGHEST AND LOWEST RANGE FAHRENHEIT IN THE WATER IN THE AQUEDUCT.										THERMOMETER IN THE WATER IN THE AQUEDUCT. MONTHLY AVERAGES.										
	Sing Sing Station.		Tarrytown Station.		Fordham Station.		Receiving Reservoir.		Sing Sing Station.		Tarrytown Station.		Fordham Station.		Receiving Reservoir.		Sing Sing Station.		Tarrytown Station.		Fordham Station.		Receiving Reservoir.		Average.	Degrees.	Degrees.	Degrees.	Degrees.		
January.....	43	15	46	17	47	14	48	14	34	33	34	33	35	35	34	33	34	33	35	34	33	34	33	34	33	34	33	34	33	34	33
February.....	51	4	54	2	54	4	49	5	35	32	35	32	35	36	33	33	34	33	35	34	33	34	33	34	33	34	33	34	33	34	33
March.....	53	15	52	13	62	14	50	18	39	33	39	33	38	35	34	34	35	36	34	35	37	35	36	35	36	35	36	34	35	36	34
April.....	82	30	81	30	83	33	82	31	57	40	57	40	56	41	61	38	49	20	49	37	48	30	47	36	48	37	48	30	47	36	48
May.....	79	36	79	37	78	40	78	37	60	49	63	49	58	50	60	49	56	45	56	45	56	45	56	45	56	45	56	45	56	45	56
June.....	93	54	91	52	93	51	95	55	71	61	73	60	74	60	64	59	65	23	66	23	64	96	61	71	64	63	64	63	64	63	64
July.....	79	61	100	55	100	62	103	62	80	60	81	69	77	74	No water	No water	75	03	76	06	No water	No water	75	03	76	06	No water	No water	75	03	76
August.....	84	52	87	48	87	53	90	54	75	65	75	65	74	65	74	65	70	06	70	16	68	32	68	32	68	32	68	32	68	32	68
September.....	85	46	86	39	88	46	89	46	74	59	73	60	70	70	60	55	13	55	75	64	77	70	68	28	68	28	68	28	68	28	68
October.....	74	32	79	24	77	34	73	35	59	51	60	53	67	60	60	55	13	55	75	64	77	70	68	28	68	28	68	28	68	28	68
November.....	64	19	64	16	63	13	61	25	50	37	52	37	47	52	42	61	44	23	42	23	42	23	42	23	42	23	42	23	42	23	42
December.....	55	1	55	6	55	1	54	2	43	33	45	33	43	36	36	39	80	39	80	36	39	80	36	39	80	36	39	80	36	39	80
Yearly average.....																											52.17				

NOTES ON METEOROLOGICAL TABLES.

The difference between the amount of evaporation observed in column No. 1 of evaporation and columns Nos. 2 and 3 is owing to the fact that during the last six months no water flowed directly from the aqueduct into the old reservoir. The water reached it through the new reservoir, and consequently at generally a higher temperature than it was in the aqueduct. The evaporation in the boxes immediately in contact with this water has been of course greater than was shown in column No. 1 of observations at the box sunk in the earth embankment.

On the Second Division at Sing Sing there fell 5 inches of rain in twenty-three hours on the 27th and 28th of May, 4.75 inches in twelve hours on the 29th and 30th of October, and 4.61 inches in twelve hours on the 15th and 16th of November. There fell on Eighth Division (Receiving Reservoir, Central Park) 4.33 inches in twelve hours and forty minutes on the 29th and 30th of October.

It will be observed that the total rain-fall shown on the records on the Second Division (Sing Sing Station) is far in excess of that shown at any other point of observation, and that it is twenty-eight inches, or more than sixty per cent., greater than was recorded at the Tarrytown station, which is only five miles distant. This difference is so great as to have induced a doubt of the accuracy of the observations; but a careful examination and supervision have shown that the records kept at Sing Sing are and have been correct.

The great difference in the quantity of rain falling in very nearly the same meteorological district is worth noting, even if we are unable to suggest any satisfactory explanation. We know from experience that storms sweep through and over this section without extending beyond it, but the topographical features of the section, though differing somewhat from those immediately north and south, are not sufficiently marked to show distinct reason for such extraordinary variation.

CHANGE OF AQUEDUCT LINE.

This work, as described in detail in our last Annual Report, involves the abandonment of the conduit of masonry from Ninetieth street to a point near the old Receiving Reservoir, and the substitution of two lines of pipes, each six feet in diameter, laid as inverted syphons, from the brick conduit, or aqueduct, through Ninetieth street, to and through Eighth avenue, to near Eighty-fifth street, and thence through the Central Park, to near the influent gate-house of the old Receiving Reservoir. Contracts for the materials and for the work were made in the latter part of the year 1864. All the pipes have been delivered

and the greater portion of them laid; the connecting chambers at the commencement and termination of the syphon have been constructed, the grading is nearly completed, and the whole work will be finished in a short time. Its cost, when completed, will amount to about \$310,000.

HIGH SERVICE WORKS, CARMANSVILLE.

This work, so long delayed, has at length been commenced.

The following is in brief a description of its prominent features:

On the elevated ground, on the cliff immediately south of the High Bridge over Harlem river, a reservoir will be built, covering about seven acres of land. The bottom of this reservoir will be 200 6-10 feet above mean high tide, or 75 2-10 feet above the floor of the aqueduct at the southwestern end of the bridge. The depth of water in the reservoir will be 16 feet, and its capacity will be 10,794,000 U. S. gallons. This reservoir is intended to supply, during times of repairs or accidents, that portion of the northern district of the city which lies above the level of our present aqueduct and its reservoirs, and below a plane 216 6-10 feet above mean high tide. Near to this structure, and immediately on the edge of the cliff, will be built a tower of masonry, which from its base will be about 170 feet high. C

This tower will sustain a stand-pipe and an iron tank with a capacity of 47,000 U. S. gallons.

- This quantity is estimated to be sufficient to supply, during the necessary stoppage of the pumping-engines, all that portion of the upper district which lies above the 216-foot plane before mentioned.

The highest point on Manhattan Island is 267 feet above mean high tide. The top level of the water in the tower will be 324 feet.

These two structures—the reservoir and tower—will be supplied with water drawn from the aqueduct by pumping-engines placed under the cliff, and on nearly the same level with the floor of the gate-house of the bridge.

A contract was made in June last with Messrs. Roach & Jenkins for the construction of the reservoir, and also for the wharf and coal-house below the bridge.

The wharf and coal-house have been completed and considerable progress made on the reservoir.

For the tower, the engines, and the engine-houses, and for the inclined plane from the wharf to the engine-house, no contract has yet been made. The estimated cost of the works was \$500,000.

The amount appropriated in the act of 1863 was but \$200,000. A bill making further appropriation was introduced during the last session, but failed to reach its third reading. The speedy construction of these works is of vital importance to the public institutions in that portion of our city, and most desirable to the inhabitants generally; but so many contingencies seem to surround it

that we must now, as we did in our last Annual Report, refrain from giving any opinion as to the time of its probable completion.

A minute description of the works proposed for the high service will be given in a Special Report, which our Board propose to make to your Honorable Body as soon as possible after the remaining portions are put under contract.

The engineer in immediate charge of this and of the change in the aqueduct line at Ninetieth street is Mr. William L. Dearborn, a gentleman well and favorably known to you from his long connection with the improvement of the High Bridge and the construction of the New Reservoir.

IMPOUNDING OR STORAGE RESERVOIR.

This work is now in progress. The negotiations which were pending at the time of our last report for purchasing the site then selected for the reservoir were not concluded. It was found impossible to acquire the land at any justifiable cost, and we were obliged to adopt another site.

The thorough examination made by this Department in 1857 and 1858 of the entire valley of the Croton river enabled us to select other sites without loss of time. Of these two were minutely compared, as to cost of construction, by digging test-pits, and other investigations; as to the character of the water, by analysis; and as to the cost of land, by negotiation. The site finally adopted is in the township of Kent, county of Putnam; and the area,

which will be transformed into a lake, is a place called Boyd's Corners—a small settlement, now containing several farm-houses, a post-office, and a church. The dam is twenty-four miles above Croton Dam, and seventy-one miles from the City Hall. Its elevation is 600 feet above mean high tide at the High Bridge, or 485 feet above the top water-level of the receiving-reservoirs in Central Park. The dam, when completed, will be about 75 feet high from its foundation, and the area of the land taken for the reservoir will be about 300 acres. Very little difficulty has been experienced in acquiring the land, most of the owners being willing to sell directly to the city at reasonable prices. The contract for the construction of the first fifty feet in height of the dam was let on the 28th of August last to Messrs. Roach & Jenkins, but they were dilatory in commencing operations; and much less progress than we had a right to expect has been made. All work in masonry has been suspended until the weather again becomes mild enough to permit its safe prosecution; but the contractors are engaged in opening quarries and in cutting stone, and will have a fair opportunity of entering upon the operations in the spring with more vigor.

The cost of the work under this contract will, according to estimated quantities, amount to \$201,000.

The upper portion of the dam—a height of twenty-five feet—will be built under another contract, and the entire reservoir will, or ought to be, finished before the close of the year 1868.

This work is under the immediate supervision of General G. S. Greene, whose ability is too well known to make commendation necessary in this report.

SEWERAGE.

The operations of the bureau since the date of the last report have been mainly confined to the preparation of detailed plans and the immediate superintendence of the construction of various sewers in different parts of the city.

The length, kind, and locality of those laid down will be seen in the following table, to which also is appended a list of unfinished contracts, with the length remaining to be completed on each.

TABLE SHOWING LENGTH OF SEWERS BUILT IN 1866.

SEWERS.	BRICK, LINEAL FEET.	18-INCH PIPE, LINEAL FEET.	15-INCH PIPE, LINEAL FEET.	12-INCH PIPE, LINEAL FEET.	
DISTRICT No. 1.					
10th av., from 70th to 76th st., and in 70th st., &c. (3 ft. x 4 ft.)	365	.....	.....	.....	Unfinished.
DISTRICT No. 1½.					
56th st., between 8th and 11th avs., &c. (4 ft. x 2 ft. 8 in.)..	800	1035	565	.....	Unfinished.
DISTRICT No. 2.					
60th st., between Broadway and 9th av. ....	.....	.....	.....	630	Finished.
46th st., between 10th and 11th avs. ....	.....	.....	250	.....	do
49th st., between 8th and 9th avs. ....	.....	40	705	165	do
38th st., between 8th and 9th avs. ....	.....	.....	.....	200	do
52d and 53d sts., between 8th and 9th avs. ....	.....	400	70	.....	Unfinished.
52d st., between 5th and 6th avs. ....	.....	.....	684	.....	do
52d st., between 6th and 7th avs. ....	.....	.....	550	.....	do
51st st., between 7th and 9th avs., &c. ....	.....	.....	80	871	do
Broadway, between 47th and 49th sts., &c. ....	.....	.....	25	898	do
Broadway and 7th av., between 42d and 45th sts. ....	.....	.....	241	485	do
37th, 38th, 39th, 40th, and 41st sts. and 11th av. (4 ft. x 2 ft. 8 in.)	425	1430	630	1180	do
	425	1870	3235	4429	
DISTRICT No. 3.					
6th av., between 20th and 22d sts. ....	.....	.....	.....	415	Finished.
Broadway, between 30th and 31st sts. ....	.....	.....	.....	285	do
5th av., between 36th and 37th sts. ....	.....	.....	.....	325	do

TABLE SHOWING LENGTH OF SEWERS BUILT IN 1866—*Continued.*

SEWERS.	BRICK, LINEAL FEET.	18-INCH PIPE, LINEAL FEET.	16-INCH PIPE, LINEAL FEET.	12-INCH PIPE, LINEAL FEET.	
8th av., between 14th and 15th sts.				204	Finished.
33d and 35th sts., between 10th and 11th avs., with branches in 10th and 11th avs. (4 ft. x 2 ft. 8 in.)	260	251	417	495	Unfinished.
	260	251	417	1724	
DISTRICT No. 5.					
39th st., between 2d av. and crown east.				270	Finished.
45th street, between Lexington and 5th avs., &c.		642	560		Unfinished.
		642	560	270	
DISTRICT No. 6.					
48th st., between 4th and 5th avs.			550	420	Finished.
5th av., between 54th and 55th sts., &c.			194		do
Madison av., between 53d and 55th streets.				400	do
Lexington av., between 51st and 52d sts.				206	do
53d st., between 1st and 2d avs.				630	do
54th st., between 6th av. and crown east.			250		do
1st av., between 50th and 52d sts., and in 51st st. (4 ft. x 2 ft. 8 in.)	100				do
1st av., between 51st and 53d sts., and in 52d st.			308	20	Unfinished.
6th av., between 54th and 59th sts., and in 54th st. (4 ft. x 2 ft. 8 in.)	380				do
56th st., between 1st and 2d avs.				200	Finished.
4th av., between 59th and 66th sts., &c. (4 ft. x 2 ft. 8 in. & 24 in.)	1866	240			do
Lexington av., between 59th and 66th streets, &c., with branches (3 ft. in circumference)	508	520	330	2938	do
	2854	760	1632	4814	

TABLE SHOWING LENGTH OF SEWERS BUILT IN 1866—*Continued.*

SEWERS.	BRICK, LINEAL FEET.	18-INCH PIPE, LINEAL FEET.	16-INCH PIPE, LINEAL FEET.	12-INCH PIPE, LINEAL FEET.	
DISTRICT No. 7.					
1st av., between 61st and 62d sts., and in 62d st. ....	.....	240	47	595	Finished.
DISTRICT No. 8.					
5th av., between 80th and 89th sts. (4 ft. x 2 ft. 8 in.)	1020	.....	.....	.....	Finished.
78th st., between 4th and Mad- ison avs. ....	.....	.....	610	.....	do
73d st., between 4th and 5th avs., and in 4th av. (3 ft. in circumference, P.*)	240	.....	450	425	do
70th st., between 3d and Lex- ington avs. ....	.....	.....	610	.....	do
74th st., between 5th av. and East river (6 ft. in circum- ference)	2140	.....	.....	.....	Unfinished.
78th st., between 1st and 3d avs., and in 1st av., &c. (4 ft. x 2 ft. 8 in.)	264	982	.....	840	do
83d st., between 3d and 4th avs. ....	.....	.....	400	.....	do
	3664	982	1499	1544	
DISTRICT No. 9, AND ABOVE.					
1st av., between 84th and 86th sts., with branches in 84th and 85th sts. ....	.....	40	1248	978	Finished.
28th st., between 3d and 4th avs. ....	.....	935	.....	.....	do
	.....	975	1248	978	
DISTRICT No. 20.					
Prince street, between Mott st. and Bowery. ....	.....	.....	.....	397	Finished.
West st., between Horatio and Gansevoort sts. ....	.....	.....	.....	190	do
Bleecker st., between Charles and Perry sts. ....	.....	.....	.....	196	do
Watts st., between Varick and Hudson sts. ....	.....	.....	.....	410	do

* Built by private contract.

TABLE SHOWING LENGTH OF SEWERS BUILT IN 1866—*Continued.*

SEWERS.	BRICK, LINEAL FEET.	18-INCH PIPE, LINEAL FEET.	16-INCH PIPE, LINEAL FEET.	12-INCH PIPE, LINEAL FEET.	
Spring st., between Mercer and Greene sts.....				205	Finished.
Spring st., between Elizabeth st. and Bowery.....				183	do
Chrystie st., between Broome and Delancey sts.....				344	do
Howard st., between Centre and Elm sts.....				145	do
Walker st., between Centre and Baxter sts.....				200	do
Hudson and Greenwich sts., between Hubert and Laight sts.....				390	do
				2660	
NOT INCLUDED IN PRECEDING DISTRICTS.					
24th st., between 3d and Lex- ington avs.....				490	Finished.
1st av., between 6th and 17th sts.....				757	do
Eldridge st., between Canal and Division sts.....				328	do
Ludlow st., between Broome and Delancey sts.....				340	do
Essex st., between Division and Stanton sts.....				840	do
Ridge st., between Rivington and Stanton sts.....				479	do
Sheriff st., between Rivington and Delancey sts.....				445	do
Clinton st., between Henry and Madison sts.....				153	do
Bayard st., between Chrystie and Forsyth sts.....				200	do
Fulton st., between Greenwich and West sts.....				380	do
Cliff st., between Fulton and John sts.....				335	do
Allen st., between Broome and Delancey sts., P.*.....				275	do
Suffolk st., between Rivington and Stanton sts.....				388	do
				5410	

* Built by private contract

SUMMARY.

DISTRICTS.	BRICK, LINEAL FEET.	PIPE.			GRAND TOTAL.
		18-inch, lineal feet.	15-inch, lineal feet.	12-inch, lineal feet.	
District No. 1.	365				
" 1 $\frac{1}{2}$	800	1035	565		
" 2	425	1870	3235	4429	
" 3	260	251	417	1724	
" 5		642	560	270	
" 6	2854	760	1632	4814	
" 7		240	47	595	
" 8	3664	982	1499	1544	
" 9 and above		975	1248	978	
" 20				2660	
Not included in above				5410	
	8368	6755	9203	22424	46750

Total Pipe, 38,382 feet = 7 27-100 miles.

Total Brick, 8,368 feet = 1 58-100 miles.

TABLE OF UNFINISHED CONTRACTS, *showing Length of
Sewer and Size of each remaining to be completed.*

SEWERS.	BRICK, LINEAL FEET.	VITRIFIED PIPE.		
		18-inch, lineal feet.	15-inch, lineal feet.	12-inch, lineal feet.
DISTRICT No. 1.				
10th av., from 70th to 76th st., and in 70th st., &c. (3 ft. x 4 ft.)	1355			
DISTRICT No. 1 $\frac{1}{2}$.				
56th st., between 8th and 11th avs., and in 11th av.			1000	

TABLE OF UNFINISHED CONTRACTS—*Continued.*

SEWERS.	BRICK, LINEAL FEET.	VITRIFIED PIPE.		
		18-inch, lineal feet.	15-inch, lineal feet.	12-inch, lineal feet.
DISTRICT No. 2.				
52d st., between 5th and 6th avs.....			230	
52d st., between 6th and 7th avs.			280	
52d and 53d sts., between 8th and 9th avs.			482	570
51st st., between 7th and 9th avs., &c.			163	430
Broadway, from 46th to 49th st., &c.				522
Broadway and 7th av., from 42d to 45th st.				175
37th, 38th, 39th, 40th, and 41st streets and 11th av.....		145		2545
DISTRICT No. 3.				
33d and 35th sts., between 10th and 11th avs			123	770
DISTRICT No. 5.				
45th st., from Lexington to 5th av., &c.....		90	500	1390
DISTRICT No. 6.				
6th av., between 54th and 59th sts., and in 54th st. (4 ft. x 2 ft. 8 in.).....	390			
1st av., between 52d and 53d sts., and in 52d st.				500
DISTRICT No. 8.				
74th st., between 5th av. and East river (6 feet in circumference).....	1000			
78th st. and 1st av., between 74th and 79th sts. (4 ft. x 2 ft. 8 in.).....	440	128		345
83d street, between 3d and 4th avs.....			600	
Totals.....	3185	363	3378	7247

In order to show the relative cost of the various works let since the 8th of March last, the subjoined table has been prepared. The locality, date of letting, name of successful bidder, and the number of bids received for each piece of work, with the highest and lowest prices offered, and an average price for each, are exhibited.

STREET.	BETWEEN	CONTRACTOR.	NUMBER OF RIGS RECEIVED.	FOR RIGGED—PER FOOT.		
				Highest Price.	Lowest Price.	Average Price.
Eighty-third ..	3d and 4th avs.....	Thos. Duffy, March 8, 1866.....	5	\$9 70	\$7 80	\$8 92
First av.....	84th and 86th streets, with branches in 84th and 86th streets.....	Hugh McCabe, March 6, 1866....	9	9 00	4 49	6 17
First av.....	61st st., to and through 62d st. to near 2d av.....	Thos. Duffy, March 8, 1866.....	7	10 99	5 46	7 63
Eldridge.....	Canal and Division sts.....	P. Gibney, March 30, 1866.....	6	6 00	3 89	4 60
Seventh av.....	42d and 45th sts.....	M. Reid, March 30, 1866.....	10	10 90	6 00	8 79
Broadway.....	42d and 43d sts.....					
First av.....	53d st., to and through 52d st. to near Avenue A	M. Reid, March 30, 1866.....	7	9 00	6 00	7 64
Fifty-second ..	5th and 6th avs.....	Owen Farley, as signed to Edward Dequan, March 30, 1866.....	7	10 00	6 15	8 02
First av.....	6th and 7th sts.....	Michael Gavin, March 30, 1866..	5	6 10	4 37	4 98
Fifty first.....	7th and 9th avs, with branches in Broadway, between 51st and 52d sts.....	P. McCafferty, March 30, 1866.....	9	9 80	5 47	8 27
Ludlow.....	Broome and Delancey sts.....	Robt. Cunningham, April 16, 1866....	9	5 50	3 88	4 56
Suffolk.....	Rivington and Stanton sts....	Robt. Cunningham, April 16, 1866....	10	5 50	3 80	4 61
Ridge.....	Rivington and Delancey sts..	M. Cronin, April 16, 1866.....	11	6 00	3 79	4 53
Walker.....	Baxter and Centre sts.....	John Duffy, April 16, 1866.....	8	7 00	4 25	5 27
Howard.....	Centre and Elm sts.....	John Duffy, April 16, 1866.....	7	6 00	4 45	5 13
Fifth av.....	36th and 37th sts.....	M. Cronin, May 14, 1866.....	9	8 00	5 25	6 77
Thirty-seventh, Thirty-eighth, Thirtieth, Fortieth, and Forty-fifth..	10th av. and Hudson river, excepting that portion in 40th and 41st sts. between 11th av. and Hudson river,	Wm. Baird, May 14, 1866.....	8	15 00	8 30	10 95
Madison av...	53d and 56th sts.....	Cornelius Farley, May 14, 1866....	8	8 90	6 00	7 07
Lexington av..	51st and 52d sts.....	John Garvey, May 14, 1866.....	9	9 00	6 47	7 57

FOR CULVERT—PR. FOOT			FOR BASIN.			FOR PLANK. M. F. B. M.			TIME.		
Highest Price.	Lowest Price.	Average Price.	Highest Price.	Lowest Price.	Average Price.	Highest Price.	Lowest Price.	Average Price.	Longest Time.	Shortest Time.	Average Time.
\$9 00	\$2 00	\$4 36	\$300	\$190	\$235	\$39 00	\$0 01	\$10 00	300	150	202
6 00	2 00	4 00	300	130	196	.....	.....	.....	200	45	98
10 00	1 00	4 50	350	139	218	.....	.....	.....	200	50	101
.....	.....	.....	.....	.....	.....	.....	.....	.....	30	10	16
10 00	3 60	5 60	350	155	234	.....	.....	.....	250	50	173
9 00	2 50	4 86	400	175	260	.....	.....	.....	300	50	149
.....	.....	.....	.....	.....	.....	.....	.....	.....	220	60	115
.....	.....	.....	.....	.....	.....	.....	.....	.....	15	7	10
6 00	3 00	4 61	300	130	209	.....	.....	.....	360	75	231
.....	.....	.....	.....	.....	.....	.....	.....	.....	18	10	14
.....	.....	.....	.....	.....	.....	.....	.....	.....	20	10	15
.....	.....	.....	.....	.....	.....	.....	.....	.....	30	10	17
.....	.....	.....	.....	.....	.....	.....	.....	.....	10	8	10
.....	.....	.....	.....	.....	.....	.....	.....	.....	15	6	9
4 00	2 00	3 39	300	185	224	.....	.....	.....	85	14	34
.....
10 00	2 00	4 83	440	200	289	.....	.....	.....	900	250	494
6 00	2 80	4 00	360	150	242	.....	.....	.....	100	15	58
.....	.....	.....	.....	.....	.....	.....	.....	.....	100	4	47

STREET.	BETWEEN	CONTRACTOR.	NUMBER OF MDGS RECEIVED.	FOR SEWER—PER FOOT.		
				Highest Price.	Lowest Price.	Average Price.
Fulton.....	Greenwich and West sts.....	James Everard, May 14, 1866....	4	\$8 00	\$3 30	\$4 93
Seventy-eighth	Madison av. east to present sewer.....	Jas. Cunningham, May 14, 1866....	10	9 00	6 15	7 37
Fifty-second & Fifty third..	8th and 9th avs.....	Thos. Cosgrove, May 14, 1866.....	8	10 40	6 17	8 00
Clinton.....	Madison and Henry sts.....	James Everard, May 29, 1866....	3	5 00	3 95	4 58
Thirty-third & Thirty-fifth.	To and through 11th av., with branches in 10th av.....	E. P. Broderick, May 29, 1866....	6	11 60	7 60	9 74
Bayard.....	Chrystie and Forsyth sts.....	John Duffy, Jr., May 29, 1866....	4	5 50	3 75	4 36
Spring.....	Greene and Mercer sts.....	James Everard, May 29, 1866....	5	5 00	3 96	4 60
Sheriff.....	Rivington and Delancey sts..	John Duffy, May 29, 1866.....	6	5 20	3 70	4 40
Watts.....	Hudson and Varick sts.	B. F. Brady, July 5, 1866.....	5	4 90	4 00	4 46
Broadway.....	46th and 49th sts.....	Redmond Joyce, July 5, 1866....	7	6 70	6 00	6 36
Forty-seventh and Forty- eighth.....	7th and 8th avs.....					
Prince.....	Mott st. and the Bowery.....	B. F. Brady, July 5, 1866.....	6	5 30	4 00	4 56
Twenty-fourth,	Lexington and 3d avs.....	Robt. Cunningham, July 5, 1866....	7	7 00	4 40	5 58
Cliff.....	Fulton and John sts.....	B. F. Brady, July 5, 1866.....	5	5 50	4 15	4 99
Chrystie;.....	Delancey and Broome sts ...	B. F. Brady, July 5, 1866.....	5	5 50	3 75	4 50
Hudson and Greenwich..	Laight and Hubert sts.....	B. F. Brady, July 5, 1866.....	4	5 00	3 90	4 58
Sixth av.....	20th and 22d sts.....	John Duffy, Jr., July 5, 1866....	8	6 70	4 00	5 24
Bleecker.....	Charles and Perry sts	Patrick Farley, Au- gust 16, 1866. ...	6	5 50	3 90	4 78
Spring.....	Elizabeth st. and the Bowery,	James Everard, Au- gust 16, 1866. ...	3	6 00	4 36	5 05
Broadway	30th and 31st sts.....	Patrick McConnell, August 16, 1866,	6	6 50	4 50	5 93
Eighth av.....	14th and 15th sts	Arthur Ahmuty, August 16, 1866,	4	8 09	4 15	5 64
First av.....	8th and 9th sts., 11th and 12th and 16th and 17th sts.....	Patrick Farley, Au- gust 16, 1866....	7	5 50	4 13	4 75
Essex.....	Stanton and Rivington, De- lancey and Broome and Hester and Division sts.....	James Everard, Au- gust 16, 1866....	9	6 00	4 20	4 78

FOR CULVERT—PR. FOOT			FOR BASIN.			FOR PLANK. M. F. B. M.			TIME.		
Highest Price.	Lowest Price.	Average Price.	Highest Price.	Lowest Price.	Average Price.	Highest Price.	Lowest Price.	Average Price.	Longest Time.	Shortest Time.	Average Time.
\$4 00	\$2 25	\$3 06	\$200	\$160	\$190	.....	.....	.....	Days.	Days.	Days.
5 00	2 50	4 09	290	175	229	.....	.....	.....	35	9	20
.....	.....	.....	.....	.....	.....	.....	.....	.....	190	30	79
.....	.....	.....	.....	.....	.....	.....	.....	.....	400	50	203
.....	.....	.....	.....	.....	.....	.....	.....	.....	12	10	11
5 00	3 50	4 38	300	200	245	.....	.....	.....	400	15	219
.....	.....	.....	.....	.....	.....	.....	.....	.....	15	8	11
.....	.....	.....	.....	.....	.....	.....	.....	.....	20	8	12
.....	.....	.....	.....	.....	.....	.....	.....	.....	30	12	20
4 00	2 00	3 00	250	1	164	.....	.....	.....	30	12	22
5 00	2 50	3 86	250	200	214	.....	.....	.....	300	60	151
.....	.....	.....	.....	.....	.....	.....	.....	.....	30	12	22
.....	.....	.....	.....	.....	.....	.....	.....	.....	50	30	28
.....	.....	.....	.....	.....	.....	.....	.....	.....	30	6	18
.....	.....	.....	.....	.....	.....	.....	.....	.....	20	12	17
.....	.....	.....	.....	.....	.....	.....	.....	.....	22	12	18
.....	.....	.....	.....	.....	.....	.....	.....	.....	50	15	26
.....	.....	.....	.....	.....	.....	.....	.....	.....	25	7	15
.....	.....	.....	.....	.....	.....	.....	.....	.....	30	12	21
.....	.....	.....	.....	.....	.....	.....	.....	.....	40	8	23
.....	.....	.....	.....	.....	.....	.....	.....	.....	25	8	18
.....	.....	.....	.....	.....	.....	.....	.....	.....	35	15	28
.....	.....	.....	.....	.....	.....	.....	.....	.....	40	20	33

STREET.	BETWEEN	CONTRACTOR.	NUMBER OF MDS. REMOVED.	FOR SEWER—PER FOOT.		
				Highest Price.	Lowest Price.	Average Price.
Forty eighth..	4th and 5th avs	Michael Gavin, Au- gust 16, 1866.....	7	\$7 80	\$5 15	\$5 79
First av.....	74th and 79th streets, with branches in 75th, 76th, 77th, and 78th sts, and in 2d avenue.....	R. & J. Cunningham, August 16, 1866,	7	8 00	5 60	6 60
Forty-fifth...	5th and Lexington avs., with branches in 5th, Madison, and 4th avs.....	R. & J. Cunningham. August 16, 1866.	7	7 50	4 70	6 23

FOR CULVERT—PR. FOOT			FOR BASIN.			FOR PLANK. M. F. B. M.			TIME.		
Highest Price.	Lowest Price.	Average Price.	Highest Price.	Lowest Price.	Average Price.	Highest Price.	Lowest Price.	Average Price.	Longest Time.	Shortest Time.	Average Time.
\$5 00	\$3 00	\$3 65	\$300	\$130	\$209	.....	.....	.....	80	26	43
5 00	2 75	3 74	300	175	222	.....	.....	.....	325	90	174
5 10	3 00	3 97	260	160	202	.....	.....	.....	100	56	77

The total number of contracts let was..... 43

The aggregate price per foot for sewer was..... \$4 86

“ “ “ culvert was..... \$2 49

“ “ for each basin was..... \$156 17

The average length of time for each contract was..... 31 8-10 days.

The average length of sewers for which contracts were made was 37,164 lineal feet, or
7 miles 204 lineal feet.

As by law the work is let to the lowest bidder with adequate security, the Department has taken advantage of the competition to secure the construction of the sewers on very favorable terms. The economy seen in the above table has resulted mainly from the employment of the "Vitrified Stoneware Drain and Sewer Pipe," the deliveries of which have been wholly under the control of the Department. The use of the pipe-sewers have proved entirely successful, and thus far no complaints have reached the Department of any stoppage or inefficiency in their working. No severer test of their capacity could be required than the effects of the extraordinary rain-fall of October 30-31st last, in which, in a period of about five hours, upward of four inches of rain fell.

Owing to the forced suspension of further contracts since the 26th of September last, by the action of the Comptroller, the material has accumulated in the yards of the Corporation so as to entirely fill all available space. It is a matter of great regret that this interruption should have occurred while the Department was so abundantly able to meet the demands of applicants for the construction of sewers

There are now eighty-three applications on file, which represent a length of about 101,000 lineal feet or 19 1-10th miles, the greater part of which is of immediate necessity, and urged, on the part of the property-owners affected, with great emphasis.

The Department also contemplated the construction of about 17,000 lineal feet, or 3 22-100th miles of sewer,

which has not been applied for, but which is rendered immediately necessary on sanitary grounds.

Applications are constantly being received for further work, which will swell the amount given above very considerably before the opening of spring.

The final arrangement of districts for the entire city has not been wholly completed, owing, in the lower part of the island, to the fact that the construction of an underground railway may very considerably affect the line of mains; and, in the upper part, to the unsettled determination of the surface grades of the streets, which are now mainly in the hands of the Central Park Commissioners. A large amount of information has, however, been accumulated and transferred to our general maps which will be applicable in perfecting the arrangement of the remaining districts.

Tidal and meteorological observations have been continued throughout the year.

The prosecution of work has, under the new Sewerage Law, been steadily improving in character ; and, although to correct the accumulated evils resulting from long years of persistent blundering will require much study, labor, and time, as well as great expenditure, which might and ought to have been avoided, we look forward with confidence to final success.

RECEIPTS.

The receipts of the Department are classed under the several heads of

Water rents and penalties thereon ;

Permits for taps in water-pipes ;
 Permits for sewer connections ;
 Permits for vault constructions ; and
 Petty cash.

The Board feel much gratification in being able to exhibit, as usual, a large increase under each of the above accounts, as follows, viz. :

WATER RENTS AND PENALTIES.

The receipts for the year 1866 were :

From water rents.....	\$1,025,160 46
From penalties.....	10,398 20
Total.....	<u>\$1,035,558 66</u>

In 1865 the total amount received under this head of account was \$974,333.59, the increase in 1866 being \$61,225.07.

Schedules Nos. 1 and 2 in the Appendix exhibit the receipts in each week during the year.

The annual receipts from and including the year 1843 to date are given in Schedule No. 27, the aggregate amount which has been received during this period being \$13,599,542.42. This sum is, of course, exclusive of the annual arrearages which at the close of each water year are returned to and subsequently collected by the Clerk of Arrears.

PERMITS FOR TAPS IN WATER-PIPES.

The number of permits for new taps in water-pipes issued during the year was 1,613 ; the receipts from this source were \$6,869.50.

The increase over the receipts of 1865 was \$1,905.50.

PERMITS FOR CONNECTIONS WITH SEWERS.

The number of permits issued during the year for house connections with sewers was 2,167.

There is a large increase from this source in the receipts of this year over those of 1865, as follows :

Amount received in 1866	\$29,775 50
Amount received in 1865	16,393 30
	<hr/>
Increase in 1866.....	13,382 20
	<hr/> <hr/>

PERMITS FOR CONSTRUCTION OF VAULTS.

There is also a very large increase from permits issued for the construction of vaults under the sidewalks of public streets. The rates charged are for vaults adjoining dwellings, per superficial foot....30 cents.

Vaults adjoining buildings used in part for business purposes	50 “
And for vaults adjoining buildings used exclusively for business purposes	75 “

Excavations below the street surface which are left uncovered, and are used either as areas or as steps for descending to the cellar or basement floor of any building

are, in pursuance of the Corporation Ordinances, permitted without charge.

The number of permits issued during the year was 184, and the amount received was \$39,617.25, being an increase over the receipts of 1865 of \$22,162.61.

The following tabular statement exhibits the annual receipts under this head from and including the year 1857, in which year the supervision of vault constructions was, by an act of the Legislature, transferred to this Department.

ANNUAL RECEIPTS FROM PERMITS FOR VAULT-CONSTRUCTIONS.

1857, May 1 to December 31.....	\$9,901 00
1858, January 1 to December 31.....	13,655 58
1859, " " 	17,616 74
1860, " " 	23,241 81
1861, " " 	7,637 31
1862, " " 	6,816 91
1863, " " 	18,155 64
1864, " " 	19,686 79
1865, " " 	17,454 64
1866, " " 	39,617 25
Total.....	<u>\$173,783 67</u>

RECEIPTS FROM PETTY CASH.

The receipts under this head are, for account of work done and materials furnished :

The amount received was.....	\$1,382 13
The increase over 1865 being.....	<u>843 70</u>

The aggregate receipts under each of the preceding heads of accounts during the years 1865 and 1866 are contrasted in the following table :

RECEIPTS IN THE YEARS 1865 AND 1866.

TITLES OF ACCOUNTS.	RECEIPTS IN 1866.	RECEIPTS IN 1865.	INCREASE IN 1866.
Water Rents and Penalties.....	\$1,085,558 68	\$974,333 59	\$81,225 07
Permits for Taps in Water-pipes.....	6,869 50	4,964 00	1,905 50
Permits for Sewer Connections.....	29,775 50	16,393 30	13,382 20
Permits for Vault Constructions.....	39,617 25	17,454 61	22,162 61
Petty, Cash.....	1,382 13	538 43	843 70
TOTALS.....	\$1,113,203 04	\$1,013,683 96	\$99,519 08

It will be seen from the above that the aggregate receipts during the year 1866 reached the sum of \$1,113,203.04, and that the increase over those of 1865 from the same sources was \$99,519.08.

Details of the weekly receipts under the heads of permits for taps in water-pipes, permits for sewer connections, permits for vault constructions, and petty cash, are appended in Schedules Nos. 3, 4, 5, and 6.

Details of the weekly deposits with the City Chamberlain are given in Schedule No. 7.

EXPENDITURES.

The expenditures of the Department are classed under the following

Heads of Accounts.

Alterations of Aqueduct, from Eighty-sixth to Ninety-second street ;

Aqueduct Repairs and Improvements ;
 Belgian Pavement ;
 Croton Water-works Extension ;
 Croton Water-works Extension—Storage Reservoir ;
 Croton Water-works Extension—High Service at Car-
 mansville ;
 Contingencies—Croton Aqueduct Board ;
 Deficiencies—Croton Aqueduct Department
 Public Drinking-hydrants and Urinals ;
 Russ Pavement Improvement ;
 Salaries ;
 Sewers—Repairing and Cleaning ;
 Sewerage System Surveys ;
 Streets—Repaving and Repairs ;
 Street Improvement Fund ;
 Water-pipes and Laying ; and
 Wells and Pumps—Repairing.

ALTERATION OF AQUEDUCT FROM EIGHTY-SIXTH TO
 NINETY-SECOND STREET.

(See Schedules Nos. 8 and 9.)

Under this head there was available :

From proceeds of bonds issued by the Comptroller.....	\$247,332 94
Appropriation by Common Council.....	60,081 00
Total amount.....	<u>\$307,413 94</u>
Amount expended.....	<u>274,105 73</u>
Unexpended balance.....	<u><u>\$33,308 21</u></u>

An explanation of the work under this head is given in the previous pages of this report.

AQUEDUCT REPAIRS AND IMPROVEMENTS.

(See Schedule No. 10.)

The work under this head has also been previously described.

The amount available was,—appropriation	
by the Common Council for the year 1866,	\$50,000 00
Unexpended balance of appropriation for	
the year 1865.....	25,510 12
	<hr/>
Total amount.....	\$75,510 12
Expenditures.....	64,018 25
	<hr/>
Unexpended....	\$11,491 87
	<hr/>

BELGIAN PAVEMENT.

(See Schedule No. 11.)

The appropriation under this head is intended to cover the proportion of expense which is assumed by the Common Council in the construction of certain stone-block pavements, the original designation "Belgian" being still retained on the books in the Finance Department.

There was appropriated by the Common Council for the year 1866, for the above purpose, under this head.....		\$50,000 00
The unexpended balance from 1865 was...		27,333 93
		<hr/>
Total.....		\$77,333 93
Of this there has been drawn from the City Treasury.....		11,328 49
		<hr/>
Leaving to the credit of this account,		<u>\$66,005 44</u>

It is estimated that the whole of this sum will be required during the present year in final settlements of contracts now made.

The expenditure under this head is not discretionary with this department, as it depends entirely on such action as may from time to time be taken by the Common Council.

Details of such contracts as were made under this head in pursuance of the Corporation Ordinances will be found in the appended schedules of new pavements. Some further remarks on this subject are embodied in the matter submitted under the head of Street Pavements.

CROTON WATER-WORKS EXTENSION.

CROTON WATER-WORKS, STORAGE RESERVOIRS.

CROTON WATER-WORKS, HIGH SERVICE, CARMANSVILLE.

The expenditure under these heads is met from the proceeds of bonds issued by the Comptroller in conformity with existing laws.

The nature and extent of the work during the year under these titles of accounts has also been fully detailed in the former pages. The items of expenditure are appended in Schedules Nos. 12, 13, and 14.

CONTINGENCIES—CROTON AQUEDUCT BOARD.

(See Schedule No. 15.)

Under this head are included the incidental expenses of the department and such other expenses as are not specially provided for by other appropriations.

The amount appropriated was, for the year

1866	\$5,000 00
Unexpended in 1865	2,000 19
	<hr/>
Total available.....	\$7,000 19
Amount expended	5,204 59
	<hr/>
Leaving an unexpended balance of....	<u>\$1,795 60</u>

DEFICIENCIES CROTON AQUEDUCT DEPARTMENT.

(See Schedule No. 16.)

Under this title an appropriation was made by the Common Council to meet an increase in the pay of Sewer Inspectors of one dollar per day, in accordance with a resolution of the same body which took effect October 1st, 1864.

The amount appropriated, viz., \$4,500, was estimated as sufficient to cover all the expense that would be incurred under that resolution. There has been drawn under this head \$4,133, leaving a balance of \$367. Two sewers on which this increase is paid are not completed. The unexpended balance will be required in their settlement.

PUBLIC DRINKING-HYDRANTS AND URINALS.

(See Schedule No. 17.)

The appropriation for work under this head for 1866	
was.....	\$10,000 00
Amount expended.....	5,605 60
Unexpended balance.....	<u>\$4,394 40</u>

RUSS PAVEMENT IMPROVEMENT.

(See Schedule No. 18.)

The unexpended balance to the credit of this account on the first day of January, 1866, was \$9,619.18. This amount was transferred to the "General Fund" by authority of the Legislature. (See chapter 876, Laws of 1866.) This account is finally closed.

SALARIES.

(See Schedule No. 19.)

The amount appropriated for the expenditures under this head was :

For the year 1866	\$91,780 00
Unexpended balance from 1865.....	10,846 20
	<hr/>
	\$102,626 20

From this amount there was drawn for salaries due the Chief Officers, Heads of Bureaux, Clerks, Water Police, and Superintendents on line of Aqueduct of the works at High Bridge and of Receiving and Distributing Reservoirs. \$92,183 89

There was also drawn on account of back pay due to Water Police, as per resolution of the Common Council..... 4,709 00

96,892 89

Leaving an unexpended balance of.. \$5,733 31

The salary due to the President, Mr. Stephens, for the quarter ending December 31 has not been paid. Legal proceedings involving his title to that office having been commenced, he declined to receive his salary during their pendency.

By reference to the matter under the head of "Receipts" it will be seen that the total amount paid for salaries during the year, with the sum due and unpaid to the President and including the back pay to the Water Police for the year 1865, was less than the increase in the receipts of 1866 over those of 1865.

SEWERS—REPAIRING AND CLEANING.

(See Schedule No. 20.)

The expenditure under this head is confined mainly, as its title denotes, to the repairing and cleaning of the sewers and of the appurtenances connected therewith.

The receiving-basins, which are generally constructed at the circular corners of streets as well as the copings of the manholes, which are placed in the center of the carriage-way, are for these reasons constantly liable to injury from heavily-laden vehicles. The heads to the basins connected with the sewers early built, and also the heads to their manholes, were constructed with several pieces of stone, and were generally but imperfectly secured by clamps, and are of course subject to frequent displacement. In all cases where it is deemed advisable the modern heads are substituted. These for the basins are of granite, formed from one piece, and of sufficient weight and thickness to prevent dislodgment or fracture by the collision of loaded carts or trucks. Those for the manholes are entirely of iron, circular in shape, and of such strength as effectually prevents fracture from similar causes. In the purchase of iron manhole and basin covers and in the repairs of basins and culverts and manholes there was expended the sum of \$7,902. In the repairs to sewers there was expended \$3,637.62.

The principal items of expenditure are found, however, in the cleansing of the sewers and of the receiving-basins and culverts.

The cleansing of sewers is prosecuted by laborers in

the immediate employ of the department. Their daily pay is fixed by resolution of the Common Council.

The cleansing of the receiving-basins is done under a contract made with Messrs. Holland and Foster. Their obligations under the contract have been faithfully fulfilled during the past season.

The total amount expended for all purposes under this head was \$68,387.12. There remains to the credit of this account \$53,697.01.

Details will be found in the appropriate schedule.

SEWERAGE SYSTEM SURVEYS.

(See Schedule No. 21.)

A change in the matter of sewerage having been authorized by the Legislature whereby all expenses incurred by the Sewerage Bureau are included in and form a part of the sums assessed for the construction of sewers, there has been but little expenditure under this head of accounts.

The operations of this Bureau during the year have been fully described under the head of New Sewers.

The unexpended balance from 1865 was.....\$5,029 89

The appropriation for 1866 was..... 1,000 00

Available.....\$6,029 89

Amount expended..... 5 505 20

Balance January 1, 1867..... 520 69

No new appropriation for the year 1867 is needed.

STREETS—REPAVING AND REPAIRS.

(See Schedule No. 22.)

The usual annual appropriation under this head was by an act of the Legislature transferred to the Street Department, and the repairs to the street pavements during the past year were prosecuted under that supervision.

The expenditure by this Department has therefore been mainly in the settlement of the indebtedness incurred in 1865, the necessary sums having been taken from the unexpended balance of our appropriation for that year. There is yet standing to the credit of this account an unexpended sum of \$36,045.26.

STREET IMPROVEMENT FUND.

(See Schedule No. 23.)

This title comprehends all matters connected with the construction of new sewers, receiving-basins, and culverts, also street pavements, whether stone-block, cobble, or otherwise, also crosswalks and wells and pumps on what is termed "Trust Account."

For the large expenditure for these purposes made during the year the City Treasury is fully reimbursed by the imposition and collection of assessments.

The aggregate payments are simply indicative of the quantity of street improvements undertaken in pursuance of ordinances of the Common Council and of the operations of the Sewerage Bureau.

By the terms of the several contracts, monthly advances of seventy per cent. on contracts amounting to \$5,000 and over are made to the contractors, in pursuance of the Corporation Ordinances. These advances are made only on the completion of work in value equal, at the contract prices, to \$1,500. Interest at the rate of seven per cent. per annum is charged on all advances from the date of the payment to the completion of the work. This practice ensures greater competition among bidders, as it enables those having the necessary experience and skill, but possessed of comparatively limited means, to contract for the work of the city.

The new work of the year is described in the operations of the Sewerage Bureau and also under the head of new pavements. Where the expense incurred under the head of "Belgian Pavement" is to be divided between the city at large and the owners of the property on the line of the improvement, such payments as become due on the contracts are drawn in the first instance against the Street Improvement Fund. On the confirmation of the assessment, the proper transfers are made.

The contracts on which payments have been made during the year are stated in detail in Schedule No. 23.

NEW STREET PAVEMENTS.

STONE-BLOCK PAVEMENTS.

Forty-five contracts were made during the year for the laying of stone-block (formerly known as Belgian) pavements. The aggregate number of superficial yards was

294,670. This includes 38,927 superficial yards laid in different streets, the expense of which, in accordance with the provisions of the ordinances of the Common Council, was divided between the city at large and the owners of property on the lines of the respective improvements; the larger quantity, 255,743 superficial yards having been ordered to be laid wholly at the expense of the owners of the property benefited. In addition to this, 2,605 superficial yards have been laid during the year at private expense, making a total quantity of 297,275 superficial yards completed or contracted for during the year 1866. In the year preceding the total quantity contracted for under ordinances and also laid at private expense was but 44,983 superficial yards. The increase in amount contracted for in 1866 has therefore been 252,292 superficial yards. Contracts to the extent of 203,650 superficial yards have been fully completed. About 25,000 superficial yards have been laid under the uncompleted contracts. A large proportion of the necessary stone-blocks have been placed on the lines of these works, which with the exception of the work on Eighth avenue, from Forty-second to Fifty-eighth street, and the proposed work on Fifty-seventh street, from Fifth to Eighth avenues will ensure their completion early in the coming season. Estimating an average of 40 blocks to the superficial yard, the number of stone-blocks furnished from the quarries on the west bank of the Hudson river to our city contractors during the past season must have exceeded nine and a quarter millions. Large quantities have also during the same period been furnished to contractors from other cities.

As the trap-rock formation in which the quarries are

located extends along this river for a distance of about twenty-three miles, with an average elevation of four hundred feet above tide-water, no fears need be entertained either that the supply of blocks will ever be exhausted or that their price will ever rise beyond that which will afford a not unreasonable compensation to those who engage in their manufacture.

A regularity in the demand will insure a regularity in their supply, and at the same time create and continue such competition as will tend to fix prices on the lowest remunerative scale.

In addition to the work stated as having been contracted for, proposals were invited by public advertisement, in pursuance of ordinances of the Common Council, for the laying of about sixty thousand square yards. In this proposed letting were included several very desirable improvements. Among these were the paving of Canal street, from Broadway to West street (the completion of which would have furnished for public use a continuous line of block pavements from the East river at the foot of Grand street, through Grand street, East Broadway, New and Old Canal streets, to the North river), and the paving of Fifty-ninth street (the southern boundary of Central Park and now unpaved), from Fifth to Tenth avenue. Other streets embraced in this list, though not so essential, perhaps, as public benefits, were yet urgently asked for by those who were immediately interested in their improvement—viz., the owners of property who would be assessed for their cost. These facts, however, are not presented as having controlled the action of this Board.

What necessity there may have been for undertaking these improvements your predecessors in the Common Council had, by adoption of the necessary ordinances, previously determined. Our duty as executive officers was to obey their instructions and, on the completion of the preliminary work, invite, according to law, proposals for their undertaking.

On the day announced for the opening of the bids the Comptroller, whose presence was by the charter of 1857 made essential, failed to attend. After repeated invitations to him to be present at the opening (which, in consequence of his continued refusal to be present, was necessarily from time to time adjourned), and thus prevent a dead-lock in this branch of the public business, he at length notified us of his final refusal to be present. After consultation with the Counsel to the Corporation and in accordance with his recommendation, the bids were, after public notice, returned to those who had offered them and the works were laid over to a more favorable time.

In justice to the Comptroller, we would state that the reasons advanced by him for this avoidance of public duty, were mainly that so large an amount of work had been previously contracted for by this Department that the supply of the most important material, viz. : the stone-blocks—was exhausted, and, further, that there had been such an enhancement in the cost of such work as would make its further undertaking ruinous to the owners of the property to be assessed for it. To show how far these allegations were apart from the simple truth we submit the following table, arranged to show the number of contracts and the aggregate quantity of superficial yards of

stone-block pavement awarded at each letting, and the average of the lowest bids therefor :

DATE OF LETTING.	NO. OF CONTRACTS	AGGREGATE SQUARE YARDS	AVERAGE OF LOWEST BIDS PER SQUARE YARD.
1866, March 6.....	5	76,998	\$2 51
" March 8.....	4	5,600	2 69
" April 2.....	9	68,928	2 84
" May 29.....	7	26,598	2 58
" July 9.....	9	39,913	2 83
" August 16.....	11	76,633	2 82
Totals.....	45	294,670	

The general average of all the lettings was \$2.60½.

It will be seen by the above table that the average bid at the last letting was one cent per square yard lower than that of the letting immediately preceding it, and but two-thirds of a cent per square yard higher than the general average of the lowest bids throughout the year 1866, and but twenty-two cents higher than the average bid in 1859—an increase in seven years of but nine per cent. Comment upon these facts is unnecessary. This explanation is deemed due to your honorable body, as well as to those who are personally interested in the improvements, but ignorant of the cause which has delayed their undertaking.

A detailed statement of all contracts made during the year, with the name of contractor, the number of square yards under each contract, and the price per square yard upon which the contract was awarded, is appended in Schedule No. 32.

A very large amount of work ordered to be undertaken, partly at the expense of the city, in consequence of the inadequacy of the annual appropriations for the purpose, yet remains uncompleted. The appropriation for the work of year made under the head of "Belgian Pavement," as before stated, was \$50,000. Contracts involving an expenditure of the whole of this sum have been let, the details of which will be found in the schedule last before mentioned. The cost of the works referred to as uncompleted, or rather that portion of their cost which, if they are undertaken, must be met by appropriation, is estimated at \$649,805. A list of these works, with the ratio of cost which the Common Council have directed should be paid from the City Treasury, is furnished in schedule. To this list is appended a statement of ordinances, also involving, if undertaken, an expenditure on the part of the city. As there was no appropriation available for such purpose at the date of the adoption of the ordinances, which was subsequently to the passage of the tax-levy for 1866, action on them is by section 12 of that act expressly forbidden. For this reason their cost has not been estimated, and they must be treated as void. We append them to our list of works ordered previously, simply that those interested in these proposed improvements may understand why they have not been and cannot be undertaken.

We also furnish in same schedule a detailed statement of ordinances for block pavements, the cost of which is to be met wholly by assessment. Many of these improvements cannot be consummated at present, for the reasons specified in the schedule.

On reference thereto it will be seen that the most frequent cause of delay in the prosecution of these works is the irregularity or the deficiency in the curb and gutter. It is respectfully suggested, as a means of obviating this difficulty in the future, that all ordinances authorizing street pavements to be laid should contain a general provision directing the Street Commissioner to set and reset, where necessary, the curb and gutter in the same locality previously to the commencement of the pavement.

COBBLE-STONE PAVEMENT.

The superficial area of new cobble-stone pavement laid during the year is but trifling in comparison with the aggregate of the stone-block pavements.

But one contract in pursuance of an ordinance of the Common Council has been made—viz., for the paving of Eleventh avenue, from Fourteenth to Twenty-sixth street, where not previously paved. Under this contract 10,222 superficial yards were laid. In addition to this 7,032 superficial yards were laid at private expense between the same points on the Eleventh avenue and on the streets intersecting therewith. Some repaving was also done at private expense on the same intersecting streets, which became necessary in consequence of the change of grade of that part of the Eleventh avenue.

But one new ordinance—viz., for the paving of Bank street, from West street to Hudson river with this kind of pavement—was passed by the Common Council of 1866. This ordinance was approved by his Honor the Mayor on the 22d day of December last. The work under it will be

contracted for on the recommencement of active operations. One other ordinance for cobble-stone pavement remains unacted upon. This is for the paving of Nineteenth street, from Tenth to Twelfth avenue. The absence of curb and gutter in this part of Nineteenth street has so far prevented its undertaking.

This noticeable disuse of the cobble-stone as a material for our street pavements, and the very extended substitution of the square blocks is a matter in which the public at large have a deep interest. Aside from the facilities which its comparatively smooth surface furnishes for the movement of vehicles and the ultimate economy resulting from its great durability, it aids materially by permitting of greater cleanliness in measures connected with sanitary reform.

NICOLSON PAVEMENT.

Under an ordinance of the Common Council 490 superficial yards have been laid of this wooden pavement. The work done was in Nassau street, from Pine to Wall street. Its cost, which will be reimbursed to the city by assessments on the property benefited, was four dollars per superficial yard. The time occupied in the construction of the work was twenty-two days; it was finished on the 22d of September last.

As this kind of wooden pavement is alleged by its inventor to possess superior qualities as a street pavement, and as this is the first introduction and use of it in this city, it is proper that it should be briefly described in the pages of this Report.

DESCRIPTION OF NICOLSON PAVEMENT.

The street is first prepared by a sufficient covering of sand, which is brought to the proper crown with a straight edge made for that purpose.

This surface is then covered with common sound inch-boards, laid close lengthwise with the line of street. The ends of these boards rest on stringers of like material laid from curb to curb. Both sides of these boards are covered with hot coal-tar.

The blocks forming the pavement are of Southern hard pine, sawed three inches wide and six inches long, and are set on end in rows crosswise of the street. Before setting the blocks are dipped to half their height in hot coal-tar.

Between each row of blocks and at their base pickets three inches wide are set on edge. The opening or joint thus formed between the rows is filled with clean screened gravel, rammed with a paver's rammer and an iron blade made for that purpose, and then covered with hot coal-tar.

The gutter, or channel-way, for the surface water is formed of blocks of uniform length on their surface, and sawed to a uniform bevel, so that the lowest point on their surface is about six inches outside the curb line.

The whole of the upper surface of the pavement when laid is covered with hot coal-tar boiled to a consistency which, when cold, is to be tough and fibrous and not brittle, and then covered with fine gravel and common sand.

As the work referred to has been so recently completed.

any expression of opinion on our part either as to its merits or demerits, would be premature.

NEW CROSSWALKS.

Many new crosswalks have been laid in various localities in pursuance of ordinances of the Common Council. The expense incurred has been assessed upon the adjacent property. The details will be found in the appropriate schedule.

WATER-PIPES AND LAYING.

(See Schedule No. 24.)

The appropriation for water-pipes and laying for the year 1866, was.....	\$175,000 00
The unexpended balance from 1865 was..	60,436 91
	<hr/>
Making as available for the work of the year.....	\$235,436 91
The amount expended for this work was	214,956 35
	<hr/>
Leaving a balance of	\$20,480 56

For the expenditure under this head (though comparatively large) the city is fully reimbursed by the increased revenue derived from the enlargement of the area of water distribution. The return which the city receives from this source is not, however, confined simply to its revenues from the supply of water. The laying of new lines

of main water-pipes makes the construction of sewers in the same locality more immediately necessary, and both improvements, when completed, facilitate and induce the erection of buildings and thereby enhance the value of taxable property.

During the past year there were laid of twenty-inch mains 7,950 lineal feet ; of twelve-inch mains 3,670 lineal feet, and of six-inch (the minimum size for service mains) 11,100 lineal feet—the aggregate length being 22,720 lineal feet ; or four miles, 1,600 lineal feet.

Added to the quantity previously laid, we now have, in all, throughout the city, of main and service pipes, 302 miles, 3,272 lineal feet.

In Schedule No. 29, appended, will be found the locality of the new lines, and in Schedule No. 31 the quantity laid in each year since the organization and under the supervision of this Department.

In connection with the new mains and also in various localities throughout the city there have been placed seventy-eight fire-hydrants.

The total number of these hydrants now erected and maintained in working order is 2,834.

To the schedule of new mains is added the localities of the new fire-hydrants.

WELLS AND PUMPS AND REPAIRING.

(See Schedule No. 25.)

The appropriation for the year was.....	\$4,000 00
The unexpended balance from 1865 was....	63 87
<hr/>	
Amount applicable for repairs to wells and pumps, and for filling and covering wells disused during the year was, therefore..	4,063 87
Of this there was expended in such work...	4,057 25
<hr/>	
Leaving as unexpended.....	\$6 62
<hr/>	

A list of all contracts made during the year, excepting those made for sewers and pavements, is appended under the head of Miscellaneous Contracts in Schedule No 36.

Before closing their annual report of the operations of this Department during the year last past, the Board feel it to be due to the subordinate officers and clerks to make some favorable comment on the ability and faithfulness with which they have continued to discharge their respective duties. Many occupying these positions have been connected with the Department during a long series of years—some even since its organization, in 1849. The valuable experience thus gained by years of devotion to the service of the city is not without corresponding advantage to the public at large.

To it we may attribute in no ordinary degree the

promptness and regularity with which the business of the Department is conducted, and also its influence in producing that regular annual increase in the revenues of the city which are placed by law under our care and which our yearly reports exhibit.

In conclusion, we deem it due both to the public and ourselves to respectfully, but earnestly, protest against the practice, both on the part of the Comptroller and the Common Council, of altering the several amounts estimated by us as being necessary for the execution of the various works for which we are held responsible.

These works are under our supervision. We know better than any others can possibly know how much they will cost, and we ask no more than is absolutely necessary for their efficient prosecution. The sums we specify are "cut down," as the phrase is, without investigation and without reason by those who are wholly ignorant of the character of our work, and who cannot be expected to have any intelligent idea of its requirements. This blind and unreasoning exercise of power is rendered more injurious by the fact that the estimates, which are the results of careful study on our part, are cut down without any conference with our Board, or even an inquiry as to the necessity of the works thus rendered impossible.

We have never had an interview on this subject with what is called the Croton Aqueduct Committee of either branch of the Common Council; nor has information on the subject been asked for by any committee whatever.

It is impossible for this Department, under such circumstances, to meet fully the wants of the public, and we therefore feel justified in speaking thus plainly and emphatically.

Respectfully submitted.

THOMAS STEPHENS,
ROBERT L. DARRAGH, } *Croton*
A. W. CRAVEN, } *Aqueduct*
 } *Board.*

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- “ 3. “ “ taps in water-pipes.
- “ 4. “ “ sewer connections.
- “ 5. “ “ vault permits.
- “ 6. “ “ petty cash.
- “ 7. “ payments into City Treasury.
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SCHEDULE No. 1,

SHOWING THE WEEKLY RECEIPTS FOR WATER RENTS.

1866.		Bro't forw'd, \$289,522 66
Jan. 4.....	\$1,149 85	July 12..... 51,608 95
“ 11.....	3,865 90	“ 19..... 69,457 00
“ 18.....	2,086 75	“ 26..... 112,174 20
“ 25.....	3,061 20	Aug. 2..... 177,956 95
Feb. 1.....	2,101 90	“ 9..... 13,282 40
“ 8.....	3,819 89	“ 16..... 7,323 50
“ 15.....	2,698 80	“ 23..... 9,060 40
“ 23.....	2,254 00	“ 30..... 4,313 30
March 1.....	2,551 00	Sept. 6..... 11,016 40
“ 8.....	2,293 05	“ 13..... 19,672 35
“ 15.....	2,822 00	“ 20..... 15,831 10
“ 22.....	1,950 05	“ 27..... 18,710 60
“ 29.....	2,427 55	Oct. 4..... 25,708 50
April 5.....	1,524 25	“ 11..... 19,793 20
“ 12.....	1,634 80	“ 18..... 16,065 45
“ 19.....	2,241 00	“ 25..... 20,303 65
“ 26.....	1,975 90	Nov. 1..... 25,374 95
May 3.....	7,769 30	“ 8..... 15,761 20
“ 10.....	32,593 87	“ 15..... 12,675 40
“ 17.....	29,766 00	“ 22..... 20,182 15
“ 24.....	22,696 00	“ 30..... 13,769 70
“ 31.....	29,993 90	Dec. 6..... 14,935 90
June 7.....	30,608 11	“ 13..... 14,999 65
“ 14.....	21,758 60	“ 20..... 10,378 75
“ 21.....	21,971 70	“ 27..... 6,816 60
“ 28.....	23,635 45	“ 31..... 8,465 55
July 5.....	28,271 75	
Carried forw'd, \$289,522 66		Total...\$1,025,160 46

SCHEDULE No. 2,

SHOWING THE WEEKLY RECEIPTS FOR PENALTIES ON WATER
RENTS.

1866.			Brought forward, \$2,767 70
Jan. 4.....	\$82 20	July 12.....	43 80
" 11.....	115 80	" 19.....	71 85
" 18.....	124 05	" 26.....	56 25
" 25.....	134 55	Aug. 2.....	243 25
Feb. 1	131 70	" 9.....	392 65
" 8	333 90	" 16.....	225 45
" 15.....	129 30	" 23.....	227 10
" 23.....	104 40	" 30.....	144 65
March 1.....	138 75	Sept. 6.....	198 20
" 8.....	144 30	" 13.....	220 70
" 15.....	193 05	" 20.....	210 90
" 22.....	71 25	" 27.....	252 30
" 29.....	76 65	Oct. 4.....	332 65
April 5.....	74 10	" 11.....	277 30
" 12.....	84 50	" 18.....	229 85
" 19.....	108 00	" 25.....	407 70
" 26.....	75 60	Nov. 1.....	442 80
May 3.....	116 70	" 8.....	532 95
" 10.....	97 05	" 15.....	524 70
" 17.....	75 45	" 22.....	603 00
" 24.....	75 00	" 30.....	574 70
" 31.....	60 15	Dec. 6.....	342 00
June 7.....	54 45	" 13.....	303 90
" 14.....	42 45	" 20.....	215 20
" 21.....	41 85	" 27.....	131 70
" 28.....	46 20	" 31.....	124 95
July 5.....	36 30		
Carried forward..	\$2,767 70	Total.....	\$10,398 20

SCHEDULE No. 3.

SHOWING THE WEEKLY RECEIPTS FOR PERMITS FOR TAPS IN
WATER-PIPES.

1866.		Brought forward, \$3,192 00
Jan. 4.....	\$17 50	July 12..... 138 00
" 11.....	24 00	" 19..... 231 50
" 18.....	17 50	" 26..... 233 50
" 25.....	23 50	Aug. 2..... 148 00
Feb. 1.....	28 00	" 9..... 165 50
" 8.....	19 00	" 16..... 63 50
" 15.....	17 50	" 23..... 189 50
" 23.....	28 50	" 30..... 163 50
March 1.....	30 00	Sept. 6..... 126 50
" 8.....	105 00	" 13..... 97 00
" 15.....	90 50	" 20..... 121 50
" 22.....	152 00	" 27..... 159 00
" 29.....	132 50	Oct. 4..... 127 00
April 5.....	116 50	" 11..... 180 00
" 12.....	167 00	" 18..... 190 00
" 19.....	205 50	" 25..... 162 00
" 26.....	242 00	Nov. 1..... 111 00
May 3.....	360 00	" 8..... 117 50
" 10.....	177 00	" 15..... 126 50
" 17.....	137 50	" 22..... 151 50
" 24.....	164 50	" 30..... 181 00
" 31.....	182 50	Dec. 6..... 158 00
June 7.....	125 50	" 13..... 130 00
" 14.....	163 50	" 20..... 136 50
" 21.....	175 50	" 27..... 44 00
" 28.....	139 00	" 31..... 25 50
July 5.....	150 50	
Carried forward, \$3,192 00		Total..... <u>\$6,869 50</u>

SCHEDULE No. 4,
SHOWING THE WEEKLY RECEIPTS FOR CONNECTIONS WITH
SEWERS.

1866.		Brought forw'd, \$14,614 50	
Jan. 4.....	\$30 00	July 12.....	875 00
“ 11.....	100 00	“ 19.....	441 00
“ 18.....	134 50	“ 26.....	600 00
“ 25.....	80 00	Aug. 2.....	800 00
Feb. 1.....	230 00	“ 9.....	959 00
“ 8.....	74 00	“ 16.....	550 00
“ 15.....	90 00	“ 23.....	710 00
“ 23.....	198 00	“ 30.....	568 00
March 1.....	270 00	Sept. 6.....	520 00
“ 8.....	681 00	“ 13.....	450 00
“ 15.....	462 00	“ 20.....	590 00
“ 22.....	520 00	“ 27.....	618 00
“ 29.....	640 00	Oct. 4.....	552 00
April 5.....	540 00	“ 11.....	730 00
“ 12.....	680 00	“ 18.....	502 00
“ 19.....	560 00	“ 25.....	730 00
“ 26.....	675 00	Nov. 1.....	525 00
May 3.....	790 00	“ 8.....	690 00
“ 10.....	1,103 00	“ 15.....	914 00
“ 17.....	1,030 00	“ 22.....	624 00
“ 24.....	810 00	“ 30.....	526 00
“ 31.....	956 00	Dec. 6.....	440 00
June 7.....	760 00	“ 13.....	581 00
“ 14.....	1,008 00	“ 20.....	360 00
“ 21.....	730 00	“ 27.....	196 00
“ 28.....	973 00	“ 31.....	110 00
July 5.....	490 00		
Carried forw'd, \$14,614 50		Total.....	\$29,775 50

SCHEDULE No. 5,
SHOWING THE WEEKLY RECEIPTS TO CONSTRUCT VAULTS.

1866.		Brought forward, \$13,857 87	
Jan. 4	\$0 00	July 12	75 83
" 11	166 75	" 19	760 90
" 18	1,081 50	" 26	2,738 25
" 25	339 20	Aug. 2	1,531 94
Feb. 1	549 85	" 9	827 40
" 8	0 00	" 16	699 30
" 15	0 00	" 23	825 37
" 23	0 00	" 30	747 10
March 1	132 00	Sept. 6	1,697 80
" 8	693 00	" 13	138 60
" 15	0 00	" 20	738 86
" 22	0 00	" 27	266 50
" 29	2,425 25	Oct. 4	1,135 90
April 5	129 55	" 11	568 22
" 12	333 30	" 18	3,941 14
" 19	632 24	" 25	475 75
" 26	267 75	Nov. 1	286 45
May 3	233 70	" 8	1,977 10
" 10	151 30	" 15	1,413 47
" 17	1,183 25	" 22	1,362 07
" 24	1,422 95	" 30	1,206 61
" 31	94 50	Dec. 6	378 00
June 7	264 00	" 13	790 94
" 14	464 50	" 20	677 00
" 21	1,398 41	" 27	61 00
" 28	1,804 12	" 31	437 88
July 5	90 75		
Carried forward, \$13,857 87		Total.....	\$39,617 25

SCHEDULE No. 6,

SHOWING THE RECEIPTS FOR WORK DONE AND MATERIALS
SOLD AND ACCOUNTED FOR AS PETTY CASH.

1866.

March 3.	Charleston Steamship Company, repairing stop-cock, Pier No. 14 East river.....	\$20 00
April 13.	Cash for paving-stones removed from yard in Fourteenth street.....	50 00
April 21.	Charles Knox, removing fire-hy- drant Fulton street and Broad- way.....	82 95
May 7.	D. S. Miller, repairing stop-cock, pier foot of Beach street....	15 00
May 26.	Peter W. Neefus, putting in branch, stop-cock, &c., in West street, near Duane street.....	110 00
May 26.	Cash for putting in stop-cock, &c., at Pier No. 42 North river..	110 00
May 26.	Cash for putting in branch and hydrant in Broadway, oppo- site Bowling Green.....	151 00
June 6.	P. T. Barnum, putting in stop- cock, &c., at No. 82 Mercer street.....	107 00
June 16.	Ball & Black, putting in branch and stop-cock at corner of Prince street and Broadway,	105 00

July	2.	Hudson River Railroad Company, putting in branch and pipe foot of Chambers street....	\$154 00
July	2.	Harlem Railroad Company, put- ting in branch and pipe.....	45 00
July	2.	Mr. Connover, removing fire-hy- drant corner of Madison ave- nue and Thirty-second street,	30 30
July	24.	Cash for putting in branch and stop-cock at Pier No. 25 East river.....	109 00
Aug.	5.	George J. Schmelzel, removing fire-hydrant at Church street, between Walker and White streets.....	59 21
Aug.	9.	J. Smith, putting in branch, &c., corner of Hanover and Beaver street.....	105 66
Aug.	13.	M. & S. Sternberger, removing fire-hydrant at the corner of White street and Broadway,	48 31
Sept.	5.	T. W. Hennessey, putting on sleeve, Reg. No. 55,472....	20 00
Sept.	13.	G. Lightbody, putting on sleeve, Reg. No. 55,497.....	10 00
Oct.	22.	Jacob Burge, putting on sleeve, Reg. No. 55,709.....	10 00
Nov.	10.	E. H. Smith, putting on sleeve, Reg. No. 55,788.....	10 00
Nov.	14.	H. Goldsmith, putting on sleeve, Reg. No. 55,800.....	10 00

Nov.	19.	S. C. Ruscher, putting on sleeve, Reg. No. 55,413.....	\$10 00
Dec.	5.	H. Goldsmith, putting on sleeve, Reg. No. 55,906.....	10 00
Total.....			<u>\$1,382 13</u>

SCHEDULE No. 7,
SHOWING THE WEEKLY PAYMENTS INTO THE CITY TREASURY
AS PER THE RECEIPTS OF THE CITY CHAMBERLAIN.

1866.		Brought forw'd, \$323,954 73
Jan. 4.....	1,279 55	July 12..... 52,741 58
“ 11.....	4,272 45	“ 19..... 70,962 25
“ 18.....	3,444 30	“ 26..... 115,802 20
“ 25.....	3,638 45	Aug. 2..... 180,680 14
Feb. 1.....	3,041 45	“ 9..... 15,626 95
“ 8.....	4,246 88	“ 16..... 8861 75
“ 15.....	2,935 60	“ 23..... 11,012 37
“ 23.....	2,584 90	“ 30..... 5936 55
March 1.....	3,121 75	Sept. 6..... 13,558 90
“ 8.....	3,916 35	“ 13..... 20,578 65
“ 15.....	3,567 55	“ 20..... 17,492 36
“ 22.....	2,693 30	“ 27..... 20,006 40
“ 29.....	5,701 95	Oct. 4..... 27,856 05
“ 5.....	2,384 40	“ 11..... 21,548 72
“ 12.....	2,899 60	“ 18..... 20,928 44
“ 19.....	3,746 74	“ 25..... 22,079 10
“ 26.....	3,236 25	Nov. 1..... 26,740 20
May 3.....	9,269 70	“ 8..... 19,378 75
“ 10.....	34,122 22	“ 15..... 15,654 07
“ 17.....	32,192 20	“ 22..... 22,922 72
“ 24.....	25,168 45	“ 30..... 16,253 01
“ 31.....	31,287 05	Dec. 6..... 16,253 90
June 7.....	31,812 06	“ 13..... 16,805 49
“ 14.....	23,437 05	“ 20..... 11,767 45
“ 21.....	24,317 46	“ 27..... 7249 30
“ 28.....	26,597 77	“ 31..... 10,546 01
July 5.....	29,039 30	
Carried forw'd, \$323,954 73		Total...\$1,113,203 04

SCHEDULE No. 8.

ALTERATION OF AQUEDUCT EIGHTY-SIXTH TO NINETY-
SECOND STREET.

Requisitions drawn on the Comptroller....	\$246,549 71
Payments made by the Comptroller.....	783 23
	<u>\$247,332 94</u>

EXPENDITURES.

Engineers, assistants, and inspectors.....	\$5897 51
Inspecting iron Pipes.....	2,232 36
Miscellaneous bills.....	655 06
Miscellaneous bills, Engineers.....	622 53
Stationery.....	20 36
Wagon-hire	229 39
Paid by Comptroller advertising stock....	783 23
Robert P. Parrott contractor, for iron pipes	52,966 79
S. Fulton & Co., contractors, for iron pipes.....	138,300 46
Brown & Witherell contractors, laying pipes.....	45,625 25
	<u>\$247,332 94</u>

SCHEDULE No. 9.

ALTERATION OF AQUEDUCT FROM EIGHTY-SIXTH TO NINETY-
SECOND STREET.

Appropriation by the Common Council for
the year 1866..... \$60,081 05

EXPENDITURES.

Robert P. Parrott, contractor, for iron pipes	\$1,599 15
S. Fulton & Co., contractors, for iron pipes..	16,136 88
Brown & Witherell, contractors, for laying pipe.....	8,958 96
Wagon hire.....	35 00
Paid by Comptroller for advertising stock...	42 80
	<hr/>
	\$26,772 79
Unexpended balance.....	33,308 21
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	\$60,081 00
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SCHEDULE No. 10.

AQUEDUCT REPAIRS AND IMPROVEMENTS.

Appropriation by the Common Council for the	
year 1866.....	\$50,000 00
Unexpended balance from 1865.....	25,510 12
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	\$75,510 12

EXPENDITURES.

Blacksmith work.....	\$287 90
Cartage.....	4,801 75
Croton Dam.....	7,205 81
Hardware.....	793 96
High Bridge.....	1,731 35
Horse and wagon hire.....	753 59
Iron work.....	488 78
Lime, cement, and sand.....	353 40
Labor.....	29,693 41
Lumber.....	2,067 26
Oil.....	473 53
Paint and painting.....	1,133 75
Powder.....	103 25
Repairs to Superintendents dwellings.....	362 95
Reservoir, New.....	739 00
Reservoir, Receiving.....	7,252 47
Reservoir, Distributing.....	151 19
Seed.....	16 20
Superintendent's House, Central Park.....	324 00
Stone and brick.....	866 55

Sundry bills.....	\$77 50
Taxes.....	2,539 65
Tools and repairing.....	51 00
	<hr/>
	\$62,268 25
John J. Vanderbilt, contractor, for house in Cen- tral Park.....	\$1,750 00
	<hr/>
	\$64,018 25
Unexpended balance.....	11,491 87
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Total.....	<u>\$75,510 12</u>

SCHEDULE No. 11.

BELGIAN PAVEMENT.

Appropriation by the Common Council for the year 1866.....	\$50,000 00
Unexpended balance from 1865....	27,333 93
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	\$77,333 93
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EXPENDITURES.

Paid by Comptroller to the following persons for amount
of assessments overpaid for paving streets, viz. :

F. M. Selber, on lot No. 5751½ Twenty-second street, between Fifth and Sixth avenues.....	\$81 24
A. C. Benedict, on lot No. 5750, Twenty-second street, between Fifth and Sixth avenues.....	59 05
W. F. Brush, on lot No. 5729, Twenty-second street, between Fifth and Sixth avenues.....	67 58
F. M. Selber, on lots Nos. 67 and 68, Twenty-second street, between Fifth and Sixth avenues.....	82 86
S. B. Collins, on lot No. 5439, Twenty-second street, between Fifth and Sixth avenues.....	58 44
S. F. B. Morse, on lots Nos. 5724 and 5725, Twenty-second street, between Fifth and Sixth avenues.....	135 72

W. S. Lawrence, on lot No. 69, Twenty-second street, between Fifth and Sixth avenues.....	\$12 20
C. M. Spear, on lot No. 5447, Twenty-second street, between Fifth and Sixth avenues.....	58 44
John A. Snyder, on lot No. 3178, Thirty-second street, between Sixth and Seventh avenues.....	49 70
A. L. Robertson, on lots Nos. 3179 and 3180, Thirty-Second street, between Sixth and Seventh avenues	27 22
Williams and Brother, on lot No. 3201, Thirty-second street, between Sixth and Seventh avenues	134 15
John Owens, on lot No. 3157, Thirty-second street, between Sixth and Seventh avenues	52 18
C. McCaffrey, on lot No. 3167, Thirty-second street, between Sixth and Seventh avenues.....	51 77
Henry Aulter, on lot No. 3172, Thirty-second street, between Sixth and Seventh avenues.....	46 05
Ann Gallagher, on lot No. 3173, Thirty-second street, between Sixth and Seventh avenues.....	39 75
M. Long, on lot No. 3148, Thirty-second street, between Sixth and Seventh avenues.....	29 82
R. Moline, on lot No. 3156½, Thirty-second street, between Sixth and Seventh avenues	34 79

J. Prentice, on lot No. 3158, Thirty-second street, between Sixth and Seventh avenues	\$77 18
A. C. Kingsland, on lots Nos. 1138 to 1141, Thirty-second street, between Sixth and Seventh avenues.....	128 78
T. Albus, on lot No. 3153, Thirty-second street, between Sixth and Seventh avenues	37 27
C. Huffert, on lot No. 3170, Thirty-second street, between Sixth and Seventh avenues.....	29 82
A. H. Rogers, on lot No. 3154, Thirty-second street, between Sixth and Seventh avenues.....	29 82
A. H. Rogers, on lot No. 3155, Thirty-second street, between Sixth and Seventh avenues	24 85
Estate of H. Dobbs, on lot No. 3193, Thirty-second street, between Sixth and Seventh avenues.....	62 14
James Bogert, on lot 3190, Thirty-second street, between Sixth and Seventh avenues	62 14
J. Van Horn, on lot No. 3189, Thirty-second street, between Sixth and Seventh avenues	62 14
St. Clair Smith, on Lot No. 3165, Thirty-second street, between Sixth and Seventh avenues.....	51 77
J. Tunison, on lot No. 3181, Thirty-second street, between Sixth and Seventh avenues	19 53

Valentine Schaffert, on Lot No. 3199, Thirty-second street, between Sixth and Seventh avenues.....	\$44 73
Leopold Litthauer, on lot No. 3164, Thirty-second street, between Sixth and Seventh avenues.....	52 97
J. McGrath, on lot No. 5145, Fortieth street, between Ninth and Tenth avenues,	62 50
A. L. Conklin, on lot No. 5157, Fortieth street, between Ninth and Tenth avenues,	62 50
Frederick Maas, on lot No. 10, Fortieth street, between Ninth and Tenth avenues,	62 50
John M. Foster, on lot No. 26, Fortieth street, between Ninth and Tenth avenues,	62 50
B. Wesheer and Jacob Levi, on lots Nos. 5½, 6, 7, Fortieth street, between Ninth and Tenth avenues.....	250 00
Catharine Pitsche, on lot No. 4, Fortieth street, between Ninth and Tenth avenues,	7 00
Thomas E. Smith, on lot No. 13, Forty-first street, between Fifth and Madison avenues.....	8 24
Julia A. Clark, on lot No. 67, Forty-first street, between Fifth and Madison avenues.....	57 60
E. Rowe, on lots Nos. 16, 17, 17½, Forty-seventh street, between First and Third avenues.....	140 70
R. Diffinback, on lot No. 39, Forty-eighth street, between Second and Third avenues.....	35 00

Estate of John R. Kerr, on lots Nos. 5, 6, Forty-eighth street, between Second and Third avenues.....	\$100 00
C. Scheig, on lot No. 18, Forty-eighth street, between Second and Third ave- nues.....	39 00
George Beaker, on lot No. 15½, Forty- eighth street, from Second and Third avenues.....	39 00
B. C. Wandell, on lots Nos. 35, 35½, 36, Third avenue, between Fifty-sixth to Eighty- sixth street.....	198 25
Paid City Chamberlain for amounts paid in- spectors in excess of and not recoverable by assessment.....	114 00
For portion payable by the Corporation for paving the following streets, viz. :	
Twentieth street, between Fourth avenue and Broadway	4,298 95
Thirty-first street, between Fifth and Sixth avenues.....	3,988 68
Sixty-first street, from Third avenue to East river.....	97 96
For amount overpaid Contractor for paving Beekman street, between Park row and South street.....	0 01
Total	\$11,328 49
Unexpended balance	66,005 44
	<hr/>
	\$77,333 93

SCHEDULE No. 12.

CROTON WATER WORKS—EXTENSION.

Requisitions drawn on the Comptroller.....	\$30 996 89
Payment made by Comptroller.....	3,767 26
	<hr/>
	\$33,864 15
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EXPENDITURES.

Engineers, New Reservoir.....	\$670 99
Gate-houses	7,755 47
High Bridge improvement.....	1,260 49
Labor, High Bridge improvement.....	684 57
New Reservoir.....	5,523 66
Miscellaneous bills engineers.....	277 28
Wagon-hire	291 28
W. E. Worthen, contractor roof of gate-houses	900 00
Michael Kuhn, Contractor Iron Railing.....	7,243 58
Blackledge & Banta, contractors terraces..	4,452 12
Bigelow Blue Stone Company, Contractor for flagging	1,037 45
Paid by Comptroller for awards..	\$3,107 36
Paid by Comptroller for advertising stock	659 90 3,767 26
	<hr/>
	\$33,864 15
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SCHEDULE No. 13.

CROTON WATER-WORKS EXTENSION—STORAGE RESERVOIRS.

Requisitions drawn on the Comptroller.....	\$30,216 42
Payments made by the Comptroller.....	305 10
	<hr/>
	\$30,521 52
	<hr/>

EXPENDITURES.

Engineers, assistants and inspectors.....	\$9,137 89
Cartage.....	37 00
Damages.....	425 00
Hardware.....	17 42
Instruments	362 35
Land	5,800 65
Lumber.....	79 23
Miscellaneous bills, engineers.....	1,277 70
Labor	3,101 54
Tools and repairing.....	134 79
Stationery.....	454 46
Wagon-hire	820 39
Roach, Jenkins & Co., contractors for dam, &c.,	8,568 00
Paid by Comptroller for advertising stock....	305 10
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	\$30,521 52
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SCHEDULE No. 14.

CROTON WATER WORKS EXTENSION—HIGH SERVICE, CARMANSVILLE.

Requisitions drawn on the Comptroller.....	\$47,720 54
Payments made by the Comptroller.....	51,547 24
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	\$99,267 78
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EXPENDITURES.

Engineers, assistants, and inspectors.....	\$10,091 62
Lumber.....	118 31
Miscellaneous bills.....	566 11
Miscellaneous bills—Engineers.....	361 12
Printing and stationery.....	515 35
Wagon-hire.....	357 52
Roach & Jenkins, contractors, for wharf and coal-shed.....	9,251 43
Roach Jenkins, contractors, for gate- houses and reservoir.....	26,459 08
Paid by Comptroller for awards, \$48,000 00	
Fees of Commissioners, &c....	3,462 44
For advertising stock.....	84 80
	<hr/>
	51,547 24
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Total.....	\$99,267 78
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SCHEDULE No. 15.

CONTINGENCIES—CROTON AQUEDUCT BOARD.

Appropriation by the Common Council for the year 1866.....	\$5,000 00
Unexpended balance from 1865.....	2,000 19
	<hr/>
	\$7,000 19
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EXPENDITURES.

Advertising	\$2,096 40
Engineer's office.....	702 73
Miscellaneous bills.....	
James Shannon, inspecting sewer in Bleecker street.....	\$32 00
George S. Rockwood, photographs of Map of Croton River Sur- vey.....	60 00
Theodore Weston, expenses to Albany on official business..	60 70
G. F. Smith, badges for Water Police	60 00
R. C. Root, Anthony & Co., litho- graphic map for Report....	128 00
W. H. Ring, services in office....	131 72
C. B. Woodruff, expenses to Alba- ny on official business.....	50 00
A. W. Craven, expenses to Alba- ny and line of aqueduct, 1865 and 1866	167 00
	<hr/>
	689 42

Office expenses.....	\$335 23
Postage, revenue stamps, and telegraph....	58 31
Wagon-hire.....	1,322 50
	<hr/>
	\$5,204 59
Unexpended balance	1,795 60
	<hr/>
Total.....	<u>\$7,000 19</u>

SCHEDULE No. 16.

DEFICIENCIES—CROTON AQUEDUCT DEPARTMENT.

Appropriation by the Common Council for the year 1865,..... \$4,500 00

EXPENDITURES.

Back pay due Inspectors on Sewers as per resolution of the Common Council passed December 31, 1864.

NAMES.	SEWER.	TIME.	NUMBER OF DAYS.	
John Brown.....	Fiftieth street, between Fourth and Lexington avenues.....	October 1, 1864, to May 3, 1865.....	147	\$147 00
Wilson A. Burrows....	Forty-seventh street, from Eleventh avenue to Hudson river.....	October 1, 1864, to June 9, 1865.....	216	216 00
Martin Cisco.	Forty-ninth street to Ninth avenue, through Tenth avenue to Forty-seventh street.....	October 1, 1864, to November 26, 1864....	49	49 00
Patrick Donahoe.....	Sixth avenue, from Fifty-fourth to Fifty-ninth street.....	October 1, 1864, to December 3, 1864....	676	676 00
George Feitner.....	Tenth avenue, from Thirty-fourth to Thirty-fifth street.....	November 21, 1864, to June 3, 1865.....	168	168 00
F. Gallagher.....	Third avenue, from One Hundred and eighth to One Hundred and Tenth street.	October 1, 1864, to October 10, 1864.....	8	8 00
James Golden.....	Thirty-eighth street, from Eighth to Ninth avenue.....	October 1, 1864, to November 12, 1864....	37	37 00
James Golden.....	Thirty-eighth street, from Eighth to Ninth avenue.....	July 7, 1765, to January 31, 1866.....	169	169 00

James Golden.....	Thirty-eighth street, from Eighth to Ninth avenue.....	March 19, 1866, to April 16, 1866.....	25	25 00
James Golden.....	Eighty-seventh street to Fourth avenue, through Third avenue to Eighty-sixth street.....	November 29, 1864.....	1	1 00
Thomas Graham.....	First avenue, from Fifty-eighth to Sixtieth street.....	October 1, 1864, to November 26, 1864....	49	49 00
Stephen Herriman....	Seventieth street, from Hudson river to and through Tenth avenue to Seventy-fifth street.....	October 1, 1864, to September 2, 1865....	288	288 00
William H. Jarvis....	Third avenue, from One Hundred and Twenty-ninth street.....	October 1, 1864, to December 28, 1864....	75	75 00
William H. Jarvis....	Eighteenth to One Hundred and Twenty-ninth street.....	February 21, 1865, to March 15, 1865....	20	20 00
Lawrence Langan....	Fifth avenue, from Seventy-ninth to Eighty-ninth street.....	October 1, 1864, to December 3, 1866....	676	676 00
E. C. Moloy.....	Eighty-second street, between Third and Fourth avenues.....	October 1, 1864, to December 14, 1865....	376	376 00
E. C. Moloy.....	Eighty-second street, between Third and Fourth avenues.....	March 7, 1866, to July 14, 1866.....	107	107 00
E. C. Moloy.....	*Overpaid in error.....	.....	.....	59 00
Lawrence McHeany..	Sixty-first street, between Second avenue and East river.....	October 1, 1864, to October 5, 1864.....	4	4 00
Bent Noonan.....	Third avenue, between Ninth and Tenth streets.....	October 11, 1864, to October 29, 1864....	17	17 00
Richard O'Brien.....	First avenue, from Fiftieth to Fifty-second street.....	October 1, 1864, to December 9, 1865....	865	865 00
Richard O'Brien.....	First avenue, from Fiftieth to Fifty-second street.....	March 5, 1866, to April 13, 1866.....	35	35 00
Carried forward.....			.....	\$3,934 00

NAMES.	SEWER.	TIME.	NUMBER OF DAYS.	
Matthew Quinn.....	Brought forward.....	.....	.....	\$3,384 09
Charles H. Reed.....	Fifty-second street, between Seventh ave- nue and Broadway.....	October 1, 1864, to November 12, 1864...	37	37 00
James Walsh.....	Eighty-seventh street to Fourth avenue, through Third avenue to Eighty-sixth street.....	October 1, 1864, to January 7, 1865.....	84	84 00
James Walsh.....	Sixty-first street, between Second avenue and East river....	October 6, 1864, to December 10, 1864...	57	57 00
	Seventieth street, from Hudson river to and through Tenth avenue to Seventy- fifth street.....	September 4, 1865, to December 3, 1866..	388	888 00
	Unexpended balance.....	.....	.....	\$4,183 20
	Total.....	.....	.....	367 00
				\$4,500 00

* This amount of \$59 will be refunded by Mr. E. C. Moloy and deposited with the City Chamberlain to the credit of this account.

SCHEDULE No. 17.

PUBLIC DRINKING-HYDRANTS AND URINALS.

Appropriation by the Common Council for
the year 1866..... \$10,000 00

EXPENDITURES.

Ladles for hydrants	\$123 88
Public hydrants	1,427 09
Putting down hydrants	3,302 34
Repairing hydrants	752 29
	<u>\$5,605 60</u>
Unexpended Balance.....	4,394 40
	<u>\$10,000 00</u>

SCHEDULE NO. 18.

RUSS PAVEMENT IMPROVEMENT.

Unexpended balance from 1865..... \$9,619 18

EXPENDITURES.

Amount transferred to General Fund by au-
thority of an act of the Legislature,
chapter No. 876, Laws of 1866 \$9,619 18

SCHEDULE No. 19.

SALARIES.

Appropriation by the Common Council for the year 1866.....	\$81,780 00
Unexpended balance from 1865.....	10,846 20
	<hr/>
	\$102,626 20
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EXPENDITURES.

Thomas Stephens, President, January 1, to September 30.....	\$3,750 00
Robert L. Darragh, Assistant Commissioner. January 1 to December 31.....	5,000 00
Alfred W. Craven, Chief Engineer, January 1 to December 31.....	6,763 89
Henry L. Robertson, Chief Clerk to Board, January 1 to December 31.....	3,000 00
Benjamin S. Church, Assistant Engineer, January 1 to December 31.....	1,450 00
Alexander F. Dodge, Contract Clerk, Janu- ary 1 to December 31.....	2,500 00
William H. King, Water Registrar, January 1 to July 31.....	2,041 66
Wm. H. McKinney, Water Registrar, Au- gust 1 to December 31.....	1,458 34
Wm. C. Rhodes, Assistant Water Registrar, January 1 to July 31.....	1,166 66
Alex. McLeod, Assistant Water Registrar, August 1 to December 31.....	833 34
Gilbert H. White, Chief Clerk to Water Registrar, January 1 to December 31.	2,500 00

George H. E. Lynch, First Clerk to Water Registrar, January 1 to December 31.	\$1,800 00
Seymour V. Moody, Second Clerk to Water Registrar, January 1 to December 31.	1,800 00
Jacob E. Howard, Third Clerk to Water Registrar, January 1 to December 31..	1,800 00
Daniel Strain, Fourth Clerk to Water Registrar, January 1 to August 15.....	935 48
Charles Blauvelt, Fourth Clerk to Water Registrar, August 16 to December 31.	564 52
William B. Parsons, Fifth Clerk to Water Registrar, January 1 to August 15....	935 48
Jesse Fonda, Fifth Clerk to Water Registrar, August 16 to December 31.....	564 52
Thomas F. Gilroy, Sixth Clerk to Water Registrar, January 1 to December 31.	1,250 00
Edward J. O'Keefe, Seventh Clerk to Water Registrar, January 1 to April 8.....	340 28
Maurice Daley, Seventh Clerk to Water Registrar, April 9 to December 31....	909 72
William Walsh, Sewer Permit Clerk, January 1 to July 31.....	875 00
Joseph Brennan, Sewer Permit Clerk, August 1 to December 31.....	625 00
Aaron B. Rollins, Water Purveyor, January 1 to July 31.....	2,041 66
William Walsh, Water Purveyor, August 1 to December 31.....	1,458 34
John Murdock, First Clerk to Water Purveyor, January 1 to December 31.....	1,800 00
John Sigerson Second Clerk to Water Purveyor, January 1 to December 31....	1,500 00

Harry Howard, Inspector of Vaults and Areas, January 1 to December 31....	\$2,000 00
John J. Conklin, Messenger, January 1 to December 31.....	1,000 00
Jacob H. Conklin, Messenger to Engineers, January 1 to December 31.....	900 00
Daniel Adamson, Superintendent Croton Dam, January 1 to December 31.....	900 00
James Scott, Superintendent Sing Sing, January 1 to December 31.....	800 00
Barney Lee, Superintendent Tarrytown, January 1 to December 31.....	800 00
James Bremner, Superintendent Dobbs' Ferry, January 1 to December 31.....	800 00
Wilson A. Burrows, Superintendent Yonkers, January 1 to December 31.....	800 00
John L. Berrien, Superintendent Fordham, January 1 to December 31.....	800 00
C. B. Bilyew, Superintendent High Bridge, January 1 to December 31.....	800 00
Ralph Ellis, Superintendent Receiving Reservoir, January 1 to December 31....	950 00
Benjamin G. Roe, Superintendent Distributing Reservoir, January 1 to December 31	950 00
Thomas Stephens, as Accountant, January 1 to September 30.....	525 00
William Ackerman, Water Police, January 1 to December 31.....	924 00
John H. Allen, Water Police, November 10 to December 31.....	126 00
H. S. Bennett, Water Police, February 1 to December 31.....	846 00

James Berryman, Water Police, December 3 to December 31.....	\$72 00
D. A. Bostwick, Water Police, August 20 to December 31.....	339 00
James Brady, Water Police, December 3 to December 31.....	72 00
C. R. Brewster, Water Police, January 1 to May 31.....	384 00
Thomas J. Cavanagh, Water Police, January 1 to August 18.....	585 00
George R. Cole, Water Police, August 20 to December 31.....	339 00
C. H. Cooper, Water Police, August 20 to December 31.....	339 00
William Coughlin, Water Police, January 1 to April 30.....	303 00
Thomas G. Cowan, Water Police, August 20 to December 31.....	339 00
William Darragh, Water Police, January 1 to December 31.....	924 00
Maurice Daley, Water Police, January 1 to April 8.....	246 00
James Donnovan, Water Police, January 1 to December 31.....	924 00
George W. Douglass, Water Police, January 1 to December 31.....	924 00
Thomas Farran, Water Police, January 1 to April 14.....	264 00
M. Farrell, Water Police, February 1 to August 18.....	507 00
John Foley, Water Police, August 20 to December 31.....	339 00

John Halpin, Water Police, March 12 to December 31.....	\$747 00
Andrew Hanneman, Water Police, Novem- ber 10 to December 31.....	126 00
George Hepburn, Water Police, January 1 to November 9.....	798 00
William J. Hinch, Water Police, January 1 to August 18	585 00
H. R. Hoffmire, Water Police, April 11 to August 18.....	333 00
William E. Jones, Water Police, January 1 to December 31.....	924 00
Patrick Kane, Water Police, January 1 to December 31.....	921 00
Anthony Kiernan, Water Police, August 20 to December 31.....	339 00
Charles Linn, Water Police, February 1 to August 18.....	507 00
Cornelius Linn, Water Police, January 1 to January 31.....	78 00
Patrick C. Lynch, Water Police, February 5 to December 31.....	837 00
John Mack, Water Police, January 1 to December 31	924 00
B. A. Mayereau, Water Police, January 1 to December 31.....	924 00
John T. Meredith, Water Police, April 16 to December 31.....	660 00
Owen Monaghan, Water Police, January 1 to August 18.....	585 00
John Moore, Water Police, January 1 to December 4.....	852 00

Matthew Moore, Water Police, December 4 to December 31.....	\$69 00
Thomas Mulligan, Water Police, December 3 to December 31.....	72 00
P. Murphy, Water Police, August 20 to November 3.....	198 00
Francis McAnna, Water Police, January 1 to August 18.....	585 00
James McCarty, Water Police, August to December 21.....	339 00
Francis McRenner, Water Police, January 15 to December 31.....	891 00
James McLaren, Water Police, June 2 to December 21.....	537 00
John McMahan, Water Police, January 3 December 21.....	861 00
Patrick McMahon, Water Police, April to May 9.....	63 00
John O'Brien, Water Police, January 1 to January 31.....	78 00
Hugh O'Donnell, Water Police, February 15 to December 31.....	810 00
John Quinlan, Water Police, August 20 to December 31.....	339 00
Frank Raymond, Water Police, August 20 to December 31.....	339 00
Patrick Rigney, Water Police, January 1 to December 31.....	924 00
Elbert Roberson, Water Police, August 20 to December 31.....	339 00
N. C. Robertson, Water Police, January 1 to August 18.....	585 00
Henry Rowley, Water Police, August 20 to December 31.....	339 00

William Ressler, Water Police, December 3 to December 31.....	\$72 00
James Slavin, Water Police, February 1 to December 31	846 00
Andrew Smith, Water Police, January 1 to December 31.....	924 00
James P. Walker, Water Police, December 1 to December 31.....	75 00
Edward Ward, Water Police, January 15 to December 31.....	891 00
L. Welsh, Water Police, August 20 to December 31.....	339 00
Cornelius L. Wood, Water Police, January 1 to December 31.....	924 00
William Dealing, Keeper of Fountain in Washington square.....	120 00
Total	\$92,183 89

BACK PAY PAID WATER POLICE FOR 1865.

William Ackerman 50 days.....	\$50 00
C. R. Brewster, 289 days.....	289 00
M. B. Brown, 101 days.....	101 00
Thomas J. Cavanagh, 50 days.....	50 00
William Coughlin, 50 days.....	50 00
William Darragh, 50 days.....	50 00
Maurice Daley, 50 days.....	50 00
H. Delisle, 19 days.....	19 00
James Donovan, 50 days.....	50 00
George W. Douglass, 308 days	308 00
Terence Duffy, 26 days.....	26 00
Thomas Farran, 308 days.....	308 00

George Hepburn, 128 day.....	\$128 00
William J. Hinch, 50 days.....	50 00
William E. Jones, 50 days.....	50 00
Patrick Kane, 50 days.....	50 00
Cornelius Linn, 50 days.....	50 00
George H. E. Lynch, 82 days.....	82 00
John Mack, 307 days.....	307 00
Michael Madigan, 26 days.....	26 00
B. A. Mayerean, 308 days.....	308 00
Owen Monaghau, 304 days.....	304 00
John Moore, 308 days.....	308 00
Francis McAnna, 308 days.....	308 00
Thomas McCoy, 91 days.....	91 00
John McMahon, 306 days.....	306 00
John O'Brien, 60 days.....	60 00
Patrick Rigney, 50 days.....	50 00
N. C. Robertson, 308 days.....	308 00
William T. Ryer, 179 days.....	179 00
Andrew Smith, 42 days.....	42 00
Cornelius L. Wood, 308 days.....	308 00
William White, 43 days.....	43 00
	<hr/>
	\$4,709 00
	<hr/>
Salaries for the year 1866.....	\$92,183 89
Back pay of Police, 1865.....	4,709 00
	<hr/>
	\$96,892 89
Unexpended balance.....	5,733 31
	<hr/>
Total.....	\$102,626 20
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NOTE.—In consequence of legal proceedings pending relative to the office of President of the Board, the President, Mr Stephens, has declined for the present to draw his salary for the quarter ending December 31, 1866.

SCHEDULE No. 20.

SEWERS—REPAIRING AND CLEANING.

Appropriation by the Common Council for the year 1866.....	\$120,000 00
Unexpended balance from 1865.....	<u>2,084 13</u>
	\$122,084 13

EXPENDITURES.

Cartage.....	\$6,744 50
Dumping sewer dirt.....	413 25
Iron manhole and basin covers.....	934 81
Repairing basins and culverts.....	5,267 45
Repairing manholes.....	1,699 74
Repairing sewers.....	3,637 62
Receiving-basin, Pine and Nassau street..	240 25
Sewer in Eighth avenue, between Thirty- ninth and Fortieth streets.....	6,820 80
Sundry bills	23 71
Tools and repairing.....	265 75
Wagon-hire.....	643 75
Workmen's wages	17,344 50
Paid by Comptroller.....	
Mrs. W. F. Weeks, per resolution of Com- mon Council	248 51
Inspection on sewer in Forty-eighth street, between Second avenue and East river, excess of and not recoverable by as- sessment	30 00
Inspection on Sewer in Forty-third street, between Eleventh and Twelfth avenues, excess of, and not recoverable by as- sessment	72 00

Surveyor on sewer in Oliver street, between Madison and Chatham streets, excess of, and not recoverable by assessment. . . .	\$0 50
Holland & Foster, contractors, cleaning re- ceiving-basins, &c., December 1, 1865, to November 30, 1866.....	24,000 00
	<hr/>
	\$68,387 12
Unexpended balance.....	53,697 01
	<hr/>
Total.....	<u>\$122,084 13</u>

SCHEDULE No. 21.

SEWERAGE SYSTEM SURVEYS.

Appropriation by the Common Council for the year 1866.....	\$1,000 00
Unexpended balance from 1865.....	5,029 89
	<hr/>
	\$6,029 89
	<hr/>

EXPENDITURES.

Instruments and repairing	\$130 30
Miscellaneous bills	101 45
Office expenses.....	226 69
Stationery	149 25
Traveling expenses.....	28 76
Theodore Weston, Assistant Engineer.....	750 00
C. H. Meyers, Assistant Engineer.....	375 00
John Avery, Assistant Engineer.....	48 38
W. H. White, Assistant Engineer.....	225 00
Edward Everett, Assistant Engineer.....	600 00
George S. Green, Jr., Assistant Engineer....	375 00
E. H. Van Winkle, Assistant Engineer.....	358 87
Francis Troll, Draughtsman.....	300 00
Charles A. Mallory, Draughtsman.....	265 00
Moritz Hahn, Draughtsman.....	144 00
Josiah Conklin, Rod-man	146 00
J. H. Merriam, Rod-man.....	150 00
William A. Nichols, Rod-man.....	225 00
James Elliott, Ax-man	10 00
John Hopper, Ax-man	118 00
Daniel Townsend, Ax-man	118 00
Bartholomew Barclay, Ax-man.....	78 00

John M. Wandell, Ax-man.....	\$6 00
John Hoey, Ax-man	6 00
Jacob Weber, Ax-man.....	16 00
Peter Kavanagh, Ax-man	10 00
Dewitt C. Graham, Secretary.....	375 00
John G. Cunliffe, Messenger.....	109 50
Mary Langley, cleaning office.....	60 00
	<hr/>
	\$5,505 20
Unexpended balance.....	520 69
	<hr/>
Total.....	<u>\$6,029 89</u>

SCHEDULE No. 22.

STREETS—REPAVING AND REPAIRS.

Unexpended balance from 1865	\$70,546 22
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EXPENDITURES.

Cartage	\$14 00
Inspectors on Pavements	108 00
Sand	7 50
Wagon-hire	374 09
Yard expenses	867 16
First Company workmen	1,101 26
McCool & Warnock, contractors, repairing streets	19,691 05
Paid by Comptroller:	
Judgment and costs, Michael Timmons for labor	238 68
Judgment and costs, McCool & Warnock contractors, repairing streets	11,964 22
Andrew Clark, for paving West street, between Murray and Warren streets, per resolution of the Common Council....	90 00
	<hr/>
	\$34,500 96
Unexpended balance.....	36,045 26
	<hr/>
Total	\$70,546 22
	<hr/>

NOTE.—The work of repaving and repairing the streets was transferred to the Street Department for this year, under an Act of the Legislature, chapter 876 Laws of 1866.

SCHEDULE No. 23.

STREET IMPROVEMENT FUND.

Requisitions drawn on the Comptroller....\$1,557,604 32

EXPENDITURES.

Advertising on Sewers and Pavements.....	\$2,869 28
Inspectors on Sewers.....	28,236 00
Printing on Sewers and Pavements.....	3,630 41
Sewer, Allen street, between Houston and Stanton streets.....	1,639 63
Sewer, Bayard street, between Christie and Forsyth streets.....	682 00
Sewer, Bleecker street, between Perry and Hammond streets.....	674 16
Sewer, Broadway, from Forty-sixth to Forty-ninth street.....	4,433 10
Sewer, Clinton street, between Delancey and Rivington streets.....	44 90
Sewer, Clinton street, between Madison and Henry streets.....	585 97
Sewer, Eldridge street, between Canal and Division streets.....	1,230 40
Sewer, Fulton street, between Greenwich and West streets.....	1,881 25
Sewer, Grand street, between Greene and Mercer streets.....	18 30
Sewer, Hanover square, Pearl street, between Wall and Old slip.....	1,850 57
Sewer, Howard street, between Centre and Elm street.....	630 00

Sewer, Hudson street, between Beach and Hubert streets.....	\$19 50
Sewer, Jane street between Greenwich avenue and Eighth avenue.....	1,696 31
Sewer, Lexington avenue, from Fifty-ninth to Sixty-sixth street.....	17,666 80
Sewer, Ludlow street, between Broome and Delancey streets.....	1,278 70
Sewer, Madison street, between Scammel and Jackson streets.....	3,917 45
Sewer, Montgomery street, between Madison and Henry streets.....	22 00
Sewer, Monroe street, between Corlaers and Grand streets.....	1,440 67
Sewer, Monroe street, between Jackson and Gouverneur streets.....	3,695 87
Sewer, Monroe street, between Market and Pike streets.....	59 90
Sewer, Morton street, between Washington and Hudson streets.....	51 70
Sewer, Orchard street, between Delancey and Rivington streets.....	146 15
Sewer, Oak street, between James and Oliver streets.....	551 03
Sewer, Oak street, from James to Roosevelt street.....	34 26
Sewer, Ridge street, from Rivington to Delancey street.....	1,758 16
Sewer, Spring street, from Greene to Mercer street.....	921 00
Sewer, Suffolk street, from Rivington to Stanton street.....	1,407 60

Sewer, West street from Horatio to Gansevoort street.....	\$609 92
Sewer, Walker street, from Baxter to Canal street.....	752 00
Sewer, First avenue, from Sixth to Seventh street.....	780 08
Sewer, First avenue, from Fiftieth to Fifty-second street.....	7,544 06
Sewer, First avenue, from Fifty-second to Fifty-third street.....	4,487 70
Sewer, First avenue, from Sixty-first street to and through Sixty-second street to near Second avenue.....	7,703 93
Sewer, First avenue, from Seventy-fourth to Seventy-ninth street.....	9,921 98
Sewer, First avenue, from Eighty-fourth to Eighty-sixth street.....	7,871 72
Sewer, Second avenue, from One Hundred Twenty-third to One Hundred Twenty-fifth street.....	2,548 28
Sewer, Fourth avenue, from Fifty-ninth to Sixty-ninth street.....	21 026 48
Sewer, Fifth avenue, from Seventy-ninth to Eighty-ninth street.....	12,830 64
Sewer, Sixth avenue, from Fifty-fourth to Fifty-ninth street.....	2,702 00
Sewer, Seventh avenue, from Thirtieth to Thirty-first street.....	20 60
Sewer, Seventh avenue, from Forty-second to Forty-fifth street.....	4,638 20
Sewer, Eighth avenue, from Thirteenth to Fourteenth street.....	27 35

Sewer, Ninth avenue, from One Hundred Twenty-fifth to One Hundred Twenty-sixth street.	\$3,035 01
Sewer, Tenth avenue, from Thirty-fourth to Thirty-fifth street.	23 00
Sewer, Tenth avenue and Seventieth street, from Hudson river to Seventy-fifth street.	11,089 58
Sewer, Eleventh avenue, from Forty-seventh to Forty-eighth street.	10 30
Sewer, Thirty-third and Thirty-fifth streets, from Tenth to Eleventh avenue ...	8,526 84
Sewer, Thirty-seventh street, from Lexington to Third avenues.	66 65
Sewer, Thirty-seventh, Thirty-eighth, Thirty-ninth, Fortieth, and Forty-first streets, from Tenth to Eleventh avenue.	22,252 02
Sewer, Thirty-eighth street, from Eighth to Ninth avenue ...	6,619 48
Sewer, Thirty-ninth street, from First to Second avenue.	3,588 19
Sewer, Forty-third street, from Fourth to Lexington avenue.	2,432 30
Sewer, Forty-fifth street, between Fifth and Lexington avenues.	2,613 38
Sewer, Forty-fifth street, between Fifth and Sixth avenues.	1,371 14
Sewer, Forty-sixth street, between Third and Fourth avenues.	87 90
Sewer, Forty-sixth street, between Eleventh avenue and 75 feet west of Tenth avenue.	3,486 25

Sewer, Forty-seventh street, between Eleventh avenue and Hudson river	\$88 00
Sewer, Forty-eighth street, between Fourth and Fifth avenues.....	2,040 33
Sewer, Forty-ninth street, between Eighth and Ninth avenues.....	5,733 60
Sewer, Forty-ninth street, from Ninth avenue to and through Tenth avenue to Forty-seventh street	132 20
Sewer, Fiftieth street, between Fourth avenue and Lexington avenue.....	131 10
Sewer, Fifty-second street, between Fifth and Sixth avenues.....	4,232 66
Sewer, Fifty-second street, between Sixth and Seventh avenues.....	4,513 25
Sewer, Fifty-second street, between Seventh avenue and Broadway.....	22 80
Sewer, Fifty-second and Fifty-third streets, between Eighth and Ninth avenues,	2,726 89
Sewer, Fifty-fourth street, between Sixth avenues and 450 feet east.....	5,616 75
Sewer, Fifty-fifth street, between Sixth avenue and 520 feet east	3,237 50
Sewer, Fifty-fifth street, from Fourth avenue to and through Fifth avenue to Fifty-fourth street.....	5,459 43
Sewer, Fifty-sixth street, between First and Second avenues.....	3,203 18
Sewer, Fifty-sixth street, from Eighth avenue to and through Eleventh avenue to Fifty-seventh street.....	13,296 85
Sewer, Fifty-seventh street, between First and Second avenues.....	2,050 19

Sewer, Sixtieth street, between Broadway and Ninth avenue.....	\$3,467 26
Sewer, Seventieth street, between Third and Fourth avenues.....	2,270 85
Sewer, Seventy-third street, between Third and Fourth avenues.....	91 50
Sewer, Seventy-fourth street, west of Second avenue.....	2,500 00
Sewer, Seventy-fourth street, between Fifth avenue and East river.....	37,133 26
Sewer, Seventy-eighth street, between Madison avenue and ——— feet east....	2,977 80
Sewer, Seventy-eighth street, between Third and Fourth avenues.....	3,413 48
Sewer, Eighty-second street, between Third and Fourth avenues.....	6,491 70
Sewer, Eighty-third street, between Third and Fourth avenues.....	5,184 48
Sewer, Eighty-seventh street, from Fourth avenue to and through Third avenue to Eighty-sixth street.....	126 00
Sewer, One Hundred and Twenty-fifth street, from Fifth avenue, to and through Manhattan street to Tenth avenue..	7,551 66
Sewer, One Hundred and Twenty-eighth street, between Third and Fourth avenues.....	4,602 50
William and Alfred Nelson, contractors, for vitrified drain-pipe.....	68,464 69

Bureau of Engineers.

Pay-rolls of Engineers and Assistants, March 1st to November 30, 1866.....	17,512 28
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Office expenses.....	\$766 32
Instruments, &c.....	146 35
Stationery.....	368 31
Transportation of assistants.....	107 17
Wagon-hire and horse-keeping.....	786 00
	<hr/>
	\$448,216 39

Receiving-basins.

Southwest corner of Grammercy park and Twentieth street.....	\$250 00
Southwest corner of Irving place and Twentieth street.....	250 00
Northwest corner of Worth and Centre streets.....	220 00
Southwest corner of Worth and Centre streets.....	220 00
Southeast corner of Worth and Centre streets.....	220 00
Northwest corner of Third and Mangin streets.....	245 00
Eleventh avenue, from Fourteenth to Twenty-sixth street.....	1,722 30
Inspectors on Pavements.....	15,685 50
Paving Barclay street, between College place and West street.....	123 00
Paving Bleecker street, between Broadway and Bowery.....	5,649 00
Paving Catharine street, between Chatham and South streets.....	11,411 56
Paving Cedar street, between Pearl and West streets.....	9,594 37

Paving Charles street, between Hudson and Greenwich avenues.....	\$7,768 26
Paving Duane street, between Hudson and West streets.....	7,329 90
Paving Front street, between Wall street and Maiden lane	5,116 02
Paving Hammond street, between West street and Thirteenth avenue.....	107 90
Paving Leonard street, between Broadway and West Broadway.....	10,507 90
Paving Mulberry street, between Bleecker and Houston streets.....	2,645 49
Paving Nassau street, between Pine and Wall streets.....	62 32
Paving Pine street, between Pearl and Front streets.....	21 81
Paving Spring street, between Broadway and West street	177 50
Paving Water street, between Old slip and Coenties slip.....	3,190 70
Paving West street, between Battery place and Chambers street	52,688 99
Paving West street, between Chambers and Watts street	136 00
Paving West street, between Hammond and Hoboken streets	28,172 71
Paving Worth street, between Broadway and Baxter street.....	8,535 02
Paving Second street, between avenue D and Bowery.....	10,396 40
Paving Twelfth street, between Second and Fourth avenues.....	8,036 91

Paving Thirteenth street, between First avenue and University place.....	\$142 70
Paving Fourteenth street, between Third and Fourth avenues.....	6,432 20
Paving Sixteenth street, between avenue B and East river.....	1,503 90
Paving Twentieth street, between Third and Fourth avenues.....	2,511 95
Paving Twentieth street, between Broad- way and Fourth avenue	5,094 95
Paving Twenty-first street, between Third and Fourth avenues	2,675 59
Paving Twenty-first street, between Gram- mercy park and — place.....	170 80
Paving Twenty-fifth street, between Fifth and Sixth avenues.....	7,039 73
Paving Twenty-sixth street, between Lex- ington and Madison avenues.....	1,924 82
Paving Twenty-seventh street, between First and Fifth avenues.....	28,571 42
Paving Twenty-eighth street, between First and Fifth avenues.....	30,085 54
Paving Twenty-ninth street, between First and Fifth avenues.....	30,439 74
Paving Twenty-ninth street, between Broadway and Fifth avenue.....	3,936 10
Paving Thirtieth street, between First and Fifth avenues.....	172 50
Paving Thirty-first street, between Fifth and Sixth avenues.....	7,180 70
Paving Thirty-first street, between Eighth and Ninth avenues.....	125 85

Paving Thirty-fourth street, between Third avenue and East river.....	\$9,379 70
Paving Thirty-fifth street, between First and Second avenues.....	6,343 94
Paving Thirty-sixth street, between Fourth and Fifth avenues.....	7,880 06
Paving Thirty-sixth street, between Sixth and Seventh avenues.....	6,872 95
Paving Thirty-seventh street, between Lexington and Third avenues.....	975 72
Paving Thirty-seventh street, between Park and Madison avenues.....	3,522 60
Paving Thirty-ninth street, between Lexington and Fourth avenues....	3,938 52
Paving Thirty-ninth street, between Fifth and Sixth avenues.....	5,483 31
Paving Forty-fourth street, between Broadway and Ninth avenue.....	14,139 23
Paving Forty-fifth street, between Sixth and Ninth avenues.....	22,077 26
Paving Forty-fifth street, between Ninth and Tenth avenues.....	5,621 50
Paving Forty-sixth street, between Lexington and Fourth avenues.....	3,763 88
Paving Forty-sixth street, between Eleventh and Twelfth avenues.....	1,304 40
Paving Forty-eighth street, between Fifth and Sixth avenues.....	50 00
Paving Forty-ninth street, between Sixth and Eighth avenues.....	10,487 90
Paving Forty-ninth street, between Ninth and Tenth avenues.....	6,204 41

Paving Fiftieth street, between Sixth avenue and Broadway.....	\$56 20
Paving Fifty-second street, between Seventh and Eighth avenues.....	1,757 87
Paving Fifty-third street, between Sixth and Seventh avenues.....	42 50
Paving Fifty-fourth street, between First and Second avenues.....	37 50
Paving Fifty-fifth street, between Third and Fourth avenues.....	1,772 09
Paving Fifty-fifth street, between Broadway and Eighth avenue.....	99 12
Paving Fifty-seventh street, between Eighth and Eleventh avenues.....	11,332 77
paving Fifty-ninth street, between Second and Third avenues.....	3,148 82
Paving Fifty-ninth street, between Tenth avenue and Hudson river.....	76 35
Paving Sixty-first street, between Third avenue and East river.....	5,017 44
Paving Seventy-first street, between Third and Fourth avenues.....	6,239 20
Paving Seventy-ninth street, between Fifth avenue and East river.....	31,107 31
Paving Seventy-ninth street, between Fifth avenue and Broadway.....	12,890 76
Paving Ninety-second street, between Third avenue and East river.....	112 35
Paving Avenue C, between Sixteenth and Seventeenth streets.....	856 44
Paving Second avenue, between Houston and Fourteenth streets.....	5,373 13

Paving Third avenue, between Bowery and Fourteenth street.	\$27,123 12
Paving Third avenue, from Fifty-sixth to Eighty-sixth street.	1,964 60
Paving Third avenue, from One Hundred and Ninth to One Hundred and Twenty- ninth street.	61,241 10
Paving Eleventh avenue, from Fourteenth to Twenty-sixth street	5,462 93
	<hr/>
	\$1,050,466 18

Crosswalks.

Avenue A, from One Hundred and Seven- teenth to One Hundred and Nineteenth streets, First avenue, One Hundred and Nineteenth streets ; Second avenue, from One Hundred and Twenty-third street, to One Hundred and Twenty- fifth street.	\$3,961 52
Sixth avenue, from Forty-seventh to Fifty- ninth street	1,387 56
Eighth avenues and Fifty-sixth street.	30 86
Twelfth street, 400 feet west Sixth avenue.	199 14
Twenty-third street, opposite Presbyterian Church	25 12
Fortieth street, between Third and Lexing- ton avenues.	192 79
Greenwich street, south side of Vandam street.	13 29
Macdougall street and Minnetta lane	84 70

Macdougall street, opposite Minnetta lane..	\$13 08
Spring street, opposite the market.....	14 80
West street, south side of Houston street..	8 52
Southeast corner of Charlton and West streets	261 94
Northeast corner of Charlton and West streets.....	258 01
Northeast and northwest corners of Court- landt and Greenwich streets.....	267 03
Southeast to southwest corner of Watts and Greenwich streets.....	200 18
Opposite No. 228 Third street.....	186 18
Opposite No. 12 Ann street.....	11 94
Opposite No. 14 King street.....	21 48

\$1,057,604 32

SCHEDULE No. 24.

WATER-PIPES AND LAYING.

Appropriation by the Common Council for the year 1866.....	\$175,000 00
Unexpended balance from 1865	60,496 91
	<hr/>
	\$235,436 91
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EXPENDITURES.

Brass stop-cocks.....	\$266 07
Blasting.....	491 60
Cartage.....	2,631 35
Casualties.....	100 00
Fire-hydrants.....	4,329 75
Fire-hydrants—Repairing.....	1,240 53
Fuel.....	802 50
Hydrant and stop-cock boxes.....	3,264 70
Iron pipes.....	77,746 43
Lead.....	7,100 79
Miscellaneous bills.....	1,150 17
Oil.....	355 75
Proving-yard.....	1,061 97
Public hydrants and repairing.....	194 20
Repairing fountains.....	994 29
Small castings.....	2,501 47
Stationery.....	2,658 80
Stop-cocks.....	5,465 00
Stop-cocks—repairing.....	295 00
Tappers' boxes.....	129 60
Tapping-pipes.....	1,535 00

Tools and repairing.....		\$1,780 06
Water-meters.....		5,041 94
Wagon-hire		345 69
Yarn.....		772 67
E. A. Fuertes, Assistant Engineer, examin- ing water-meters		2,720 43
J. O. B. Webster, Assistant Engineer.....		1,666 63
Daniel Hogencamp, contractor, for smith- shop at proving-yard.....		1,140 00
Workmen's wages :		
1st Company	12,871 97	
2d "	12,368 00	
3d "	15,183 00	
4th "	29,821 49	
5th "	7,157 50	
6th "	8,214 50	
7th "	1,527 50	
		<hr/> 87,163 96
		<hr/> \$214,956 35
Unexpended balance.....		20,480 56
		<hr/> <hr/> \$235,436 91

SCHEDULE No. 25.

WELLS AND PUMPS AND REPAIRING.

Appropriation by the Common Council for the year 1866.....	\$4,000 00
Unexpended balance from 1865.....	63 87
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	\$4,063 87
	<hr/>

EXPENDITURES.

Cleaning and repairing wells.....	\$314 25
Filling and covering wells.....	245 50
Repairing pumps.....	3,497 50
	<hr/>
	\$4,057 25
Unexpended balance.....	6 62
	<hr/>
Total.....	\$4,063 87
	<hr/>

SCHEDULE No. 26,

EXHIBITING THE LEDGER BALANCE, DECEMBER 31, 1866.

HEAD OF ACCOUNTS.	DR.	CR.
The Mayor, Aldermen, and Commonalty.....	\$271,640 80	
Alteration of Aqueduct from Eighty-sixth to Ninety-second street (Trust).....		
Alteration of Aqueduct from Eighty-sixth to Ninety-second street (City).....		\$33,308 21
Aqueduct repairs and improvements.....		11,491 87
Belgian pavement.....		66,005 44
Croton Water-works Extension.....		
Croton Water-works Extension, Storage Reservoirs.....		
Croton Water-works Extension, High Service, Carmansville.....		
Contingencies—Croton Aqueduct Board.....		1,795 60
Deficiencies—Croton Aqueduct Department.....		367 00
Public Drinking-hydrants and Urinals.....		4,394 40
Russ Pavement Improvement.....		
Carried forward....	\$271,640 80	\$117,362 52

HEAD OF ACCOUNTS.	DR.	CR.
Brought forward...	\$271,640 80	\$117,362 52
Requisitions on City accounts.....		16,792 46
Requisitions on Special and Trust accounts...		21,002 37
Salaries.....		5,733 31
Sewers—Repairing and cleaning.....		53,697 01
Sewerage System Surveys.		520 69
Streets—Repaving and repairs.....		36,045 26
Street Improvement Fund, Water-pipes and laying..		20,480 56
Wells and pumps and repairing.....		6 62
Water rents.....		1,025,160 46
Water rents — Penalties thereon.....		10,398 20
Permits for taps in water-pipes.....		6,869 50
Permits for sewer connections.....		29,775 50
Permits to construct vaults		39,617 25
Petty cash.....		1,382 13
City Chamberlain.....	1,113,203 04	
	<u>\$1,384,843 84</u>	<u>\$1,384,843 84</u>

SCHEDULE No. 27.

The following table Exhibits the Yearly Revenue derived from Croton Water, as collected by the Department, from its introduction into the city in 1842, with the Annual Increase or Decrease thereof to date :

TIME.	RECEIPTS.	INCREASE.	DECREASE.
Oct. 5, '42 to May 1, '43..	\$32,053 74	.....	.....
May 1, '43 " 1, '44..	84,444 68	\$52,390 94	.....
" 1, '44 " 1, '45..	117,277 86	32,833 18	.....
" 1, '45 " 1, '46..	163,900 52	46,622 66	.....
" 1, '46 " 1, '47..	193,346 24	29,445 72	.....
" 1, '47 " 1, '48..	219,416 72	26,070 48	.....
" 1, '48 " 1, '49..	250,081 51	30,664 79	.....
" 1, '49 to Dec. 31, '49..	259,532 97	*9,451 46	.....
Jan. 1, '50 " 31, '50..	458,951 87	†199,418 90	.....
" 1, '51 " 31, '51..	458,789 78	.....	†\$162 09
" 1, '52 " 31, '52..	533,965 16	75,175 38	.....
" 1, '53 " 31, '53..	579,956 30	45,991 14	.....
" 1, '54 " 31, '54..	608,966 15	29,009 85	.....
" 1, '55 " 31, '55..	674,736 42	65,770 27	.....
" 1, '56 " 31, '56..	662,949 57	.....	11,786 85
" 1, '57 " 31, '57..	697,370 51	34,420 94	.....
" 1, '58 " 31, '58..	730,107 98	32,737 47	.....
" 1, '59 " 31, '59..	759,250 45	29,142 47	.....
" 1, '60 " 31, '60..	767,169 62	7,919 17	.....
" 1, '61 " 31, '61..	765,954 35	.....	1,215 27
" 1, '62 " 31, '62..	783,234 60	17,280 25	.....
" 1, '63 " 31, '63..	880,958 90	97,724 30	.....
" 1, '64 " 31, '64..	907,234 27	26,275 37	.....
" 1, '65 " 31, '65..	974,333 59	67,099 32	.....
" 1, '66 " 31, '66..	1,035,558 66	61,225 07	.....
Total	\$13,599,542 42		

* Eight months.

† Under the operation of the Laws of 1849.

‡ A reduction in the rents equal to about 10 per cent. was made this year.

SCHEDULE No. 28.

The following table exhibits the yearly revenue derived from permits to connect premises with the public sewers, as collected by this Department ; also the yearly expenditures for cleaning, repairing, and rebuilding the sewers and their appurtenances.

TIME.	RECEIPTS.	EXPENDIT'S.	EXCESS OF RECEIPTS.	EXCESS OF EXPENDIT'S.
Feb. 5, 1846, to Dec. 31, 1846	\$4,852 50	\$4,404 17	\$448 83	.....
Jan. 1, 1847, " 31, 1847	7,470 00	4,753 01	716 99	.....
" 1, 1848, " 31, 1848	8,585 00	4,678 05	3,911 95	.....
" 1, 1849, " 31, 1849	11,759 50	9,936 35	1,823 25	.....
" 1, 1850, " 31, 1850	18,977 00	8,118 97	10,858 03	.....
" 1, 1851, " 31, 1851	21,835 50	11,230 78	10,604 72	.....
" 1, 1852, " 31, 1852	28,132 50	12,554 66	15,577 84	.....
" 1, 1853, " 31, 1853	29,353 00	14,262 05	15,090 95	.....
" 1, 1854, " 31, 1854	26,247 00	12,402 51	13,844 49	.....
" 1, 1855, " 31, 1855	7,251 20	16,179 45	11,071 75	.....
" 1, 1856, " 31, 1856	24,122 00	20,765 94	3,356 06	.....
" 1, 1857, " 31, 1857	21,425 50	19,827 94	1,597 56	.....
" 1, 1858, " 31, 1858	18,561 50	24,418 35	.....	\$5,856 85
" 1, 1859, " 31, 1859	21,723 00	31,081 00	.....	9,358 00
" 1, 1860, " 31, 1860	24,391 00	45,921 05	.....	21,530 05
" 1, 1861, " 31, 1861	15,981 00	38,336 50	.....	22,355 50
" 1, 1862, " 31, 1862	14,193 00	27,884 04	.....	13,191 04
" 1, 1863, " 31, 1863	16,169 00	59,261 98	.....	43,092 98
" 1, 1864, " 31, 1864	15,375 00	43,809 29	.....	28,434 29
" 1, 1865, " 31, 1865	16,393 30	49,994 66	.....	33,601 36
" 1, 1866, " 31, 1866	29,775 50	68,387 12	.....	38,611 62
	\$402,573 00	\$527,702 77	\$90,901 92	\$216,081 69

Total excess of expenditures over receipts.....\$125,129 77

SCHEDULE No. 29.

Localities of twenty-inch pipe laid in 1866.

	FEET.
One Hundred and Twenty-fifth street, from Third to Tenth avenue.....	7,310
One Hundred and Twenty-fifth street, from Second to Third avenue.....	640
Total length in lineal feet.....	<u>7,950</u>

Localities of twelve-inch pipe laid in 1865.

	FEET.
Fourth avenue, connecting with Forty-eighth street, pipe at junction of Seventy-ninth street,	60
Forty-eighth street, between Third and Fourth avenues, from Fourth avenue east.....	200
Tenth avenue, between Lawrence and Manhattan streets.....	210
Fourth avenue, between One Hundred and Twenty-fourth and One Hundred and Twenty-fifth streets.....	250
First avenue, between One Hundred and Fourteenth and One Hundred and Seventeenth streets....	770
First avenue, between One Hundred and Twenty-first and One Hundred and Twenty-third streets.....	960
Forty-eighth street, from 150 feet east of First avenue to East river.....	700
First avenue, from Thirty-fifth to Thirty-sixth street,	260
First avenue, from Thirty-eighth to Thirty-ninth street.....	260
Total length in lineal feet.....	<u>3,670</u>

Localities of six-inch pipe laid in 1866.

	FEET.
Sixtieth street, from Second to Third avenue.....	850
Sixtieth street, from First avenue 260 ft. west....	260
Sixty-second street, from First avenue 320 ft. west.....	320
One Hundred and Tenth street, from Second to Third avenue.....	710
One Hundred and Tenth street, from 100 ft. west of Fourth avenue to Sixth avenue.....	1,645
Fifteenth street, from Eleventh avenue 360 ft. east.....	360
One Hundred and Thirtieth street, from 350 ft. to 410 ft. west of Fifth avenue	60
Sixty-second street, from Second to Third avenue,	700
Fifteenth street, from Eleventh avenue to 420 ft. east.....	420
Fourth avenue, from Ninety-first to Ninety-fourth street.....	760
Ninety-fourth street, from Fourth avenue to 400 ft. west.....	400
Ninety-first street, from Fourth avenue to 300 ft. west.....	300
Twenty-fourth street, from Eleventh avenue to 350 feet west.....	350
Ninety-first street, from 300 ft. west of Fourth avenue to Fifth avenue	525
Sixty-seventh street, from Broadway to Tenth avenue.....	140
Seventy-third street, from 150 feet west of Madison avenue 285 ft. west of Madison avenue	135
Sixty-first street, from Tenth avenue to 50 ft. east.....	50

Sixty-second street, from Tenth avenue to 210 ft. east.....	210
Lexington avenue, from Forty-sixth street, to 100 ft. north.....	100
Forty-ninth street, from Tenth avenue to 400 ft. west.....	400
Seventy-seventh street, from Second avenue to 400 feet west.....	400
One Hundred and Seventeenth street, from First avenue to 180 ft. east.....	180
First avenue, from Thirty-fourth to Thirty-fifth street.....	275
Fiftieth street, from First avenue to 350 ft. east,	350
Thirty-ninth street, from First avenue to 200 ft. west.....	200
Fifty-first street, from Sixth avenue, to 300 ft. east..	300
Fifty-seventh street, from 350 ft. west of Tenth avenue to 150 feet west of Eleventh avenue..	700
	<hr/>
Total length in lineal feet.....	<u>11,100</u>

RECAPITULATION.

Of twenty-inch main pipe.....	7,950	lineal feet,
Of twelve-inch main pipe	3,670	“ “
Of six-inch main pipe.....	11,100	“ “
	<hr/>	
Aggregate length.....	<u>22,720</u>	“ “

Or four miles 1,600 lineal feet.

SCHEDULE No. 30.

LOCALITIES OF NEW FIRE-HYDRANTS.

Sixtieth street, between Second and Third avenues,	1
Sixty-first street, between First avenue and Avenue A,	1
Forty-eight street, between Tenth and Eleventh avenues.....	2
Forty-seventh street, between Tenth and Eleventh avenues.....	2
Forty-fifth street, between Tenth and Eleventh avenues.....	1
Forty-eight street, between Lexington and Third avenues.....	1
One Hundred and Tenth street, between Second and Third avenues.....	1
Fourth avenue, between One Hundred and Twenty- fourth and One hundred and Twenty-fifth street,	1
One Hundred and Tenth street, between Fourth and Fifth avenues.....	1
One Hundred and Tenth, street between Fifth and Sixth avenues.....	2
First avenue between One Hundred and Fourteenth and One Hundred and Fifteenth streets.....	1
First avenue, between One Hundred and Fifteenth and One Hundred and Sixteenth streets.....	1
First avenue, between One Hundred and Sixteenth and One Hundred and Seventeenth streets.....	1
One Hundred and Twenty-fifth street, between Third and Tenth avenues.....	7
One Hundred and Thirtieth street, between Fifth and Sixth avenues.....	1
Forty-eight street, between First avenue and East river.....	1

Fifteenth street, between Tenth and Eleventh avenues.....	1
First avenue, between Thirty-Fifth and Thirty-sixth streets.....	1
First avenue, between Thirty-seventh and Thirty-eight streets.....	1
Sixty-second street, between First and Second avenues.....	1
Fourth avenue, between Ninety-first and Ninety-fourth street.....	2
Ninety-fourth street, between Fourth and Fifth avenues.....	1
Ninety-first street, between Fourth and Fifth avenues.....	1
Sixty-seventh street, between Broadway and Tenth avenue.....	1
Seventy-third street between Madison and Fifth avenues.....	1
Sixty-second street, between Ninth and Tenth avenues.....	1
Forty-ninth street, between Tenth and Eleventh avenues.....	1
One hundred and Twenty-fifth street between Second and Third avenues.....	1
First avenue, between Thirty-fourth and Thirty-fifth streets.....	1
Fiftieth street, between First avenue and avenue A,	1
Fifty-first street, between Fifth and Sixth avenues	1
South and Gouverneur streets.....	1
Fulton and Front streets.....	1
Stone street, between Whitehall and Broad streets.	1
West street, between Hoboken and Canal streets..	1

Broadway opposite Bowling Green.....	1
Battery place and West street.....	1
West street between Jay and Duane streets.....	1
Fulton near Church street.....	1
Rose street, between Frankfort and Duane streets.	1
Houston and West streets.....	1
Franklin between Baxter and Centre streets.....	1
White and Church street.....	1
Chambers street between Church street and Broad- way.....	1
Bowery, between Grand and Broome streets....	1
Bowery, between Spring and Broome streets.....	1
Bowery, between Hester and Grand streets.....	1
Bowery, between Hester and Canal streets.....	1
Bowery, between Houston and Prince streets.....	1
Bowery, between Canal and Bayard streets.....	1
Cherry street between James and Roosevelt streets.	1
Reade street between Hudson and Greenwich streets,	1
Pelham street and Bowery.....	1
Albany and West streets.....	1
White near Broadway.....	1
Lispenard street between Broadway and Church street	1
Prince street and Broadway.....	1
Laurens street, between Spring and Broome streets	1
Thirty-second street and Fourth avenue.....	1
Thirty-second street and Madison avenue.....	1
Irving place and Sixteenth street.....	1
Bowery and Fifth street.....	1
Madison avenue and Thirty-fifth street.....	1
Twenty-eight street and Eighth avenue.....	1
Twenty-third street and East river.....	1

Forty-first street, between Broadway and Sixth avenue	1
Eighty-seventh street and Third avenue.....	1
Twenty-fifth street, between Seventh and Eighth avenues	1
	<hr/>
Total.....	78
9	

SCHEDULE No. 31.

Pipes of all Sizes laid for the Supply and Distribution of Croton Water to December 31, 1866.

TIME.	48.	36.	30.	24.	20.	16.	12.	10.	6.	4.	TOTALS.
Prev's to July, 1849	60,338	25,795	5,400	20,275	18,125	225,140	5,875	668,107	.....	1,024,031 ft., or 193 miles 5,011 ft.
July to Dec., 1849	958	2,430	.....	9,402	7,451	20,236 "
Jan'y to Dec., 1850	545	2,040	.....	4,860	.....	2,375	.....	30,539	969	41,328 "
" " 1851	2,720	.....	18,739	.....	42,817	923	65,199 "
" " 1852	3,650	.....	12,171	.....	47,714	.....	63,535 "
" " 1853	3,500	.....	5,125	.....	.....	.....	996	.....	24,161	.....	33,782 "
" " 1854	587	.....	1,765	.....	.....	.....	5,000	.....	23,228	.....	30,575 "
" " 1855	10,582	.....	1,492	.....	6,063	.....	18,784	.....	36,921 "
" " 1856	1,319	.....	102	.....	2,731	.....	25,702	129	29,933 "
" " 1857	3,089	.....	20,131	.....	23,220 "
" " 1858	6,460	900	1,040	.....	11,150	.....	19,550 "
" " 1859	3,008	.....	15,733	.....	18,741 "
" " 1860	6,602	.....	26,331	.....	32,938 "
" " 1861	5,205	.....	34,567	.....	39,772 "
" " 1862	3,610	.....	21,713	.....	25,323 "
" " 1863	7,500	.....	20,986	.....	28,546 "
" " 1864	2,080	4,880	.....	14,999	.....	21,959 "
" " 1865	6,520	.....	12,938	.....	19,458 "
" " 1866	7,950	.....	3,670	.....	11,100	.....	22,720 "
	4,087	60,878	44,862	5,400	49,274	17,058	320,829	5,875	1,080,097	9,472	1,597,832 ft. or 302 miles 8,273 ft.

The present Department was organized in July, 1849. The first line in the table gives the quantity in use at that time; the others, the quantities laid each year since. The figures at the head of the columns indicate the internal diameter of the pipes in inches.

SCHEDULE No. 32.

NEW STONE-BLOCK PAVEMENTS.

This schedule exhibits the locality of all new stone-block pavements for which contracts have been made during the year 1866, with the date of letting, name of contractor, number of square yards, and also the price per square yard.

Contracts not fully completed are marked thus (*).

DATE OF LETTING.	LOCALITY OF PAVEMENT.	CONTRACTOR.	NUMBER OF SQUARE YARDS.	PRICE PER SQUARE YARD.	PROPORTION OF COST ASSESSED.
1866.					
March 6..	*Fifty-seventh street, from Fifth to Eighth avenue.....	W. C. Jardine.....	18,020	\$2 47	all
"	Forty-fourth street, from Broadway to Ninth avenue.....	do	5,489	2 35	"
"	Third avenue, from One Hundred and Ninth to One Hundred and Twenty-ninth street.....	do	28,674	2 57	"
"	Seventy-ninth street, from Fifth avenue to East river.....	J. W. Pettigrew...	22,092	2 56	"
"	Forty-ninth street, from Ninth to Tenth avenue.....	Gore & Smith	2,723	2 26	"
March 8..	Forty-sixth street, from Fourth to Lexington avenue.....	L. W. Johnson.....	1,298	2 75	"
"	Thirty-seventh street, from Park to Madison avenue.....	do	1,283	2 67	"
"	Thirty-ninth street, from Fourth to Lexington avenue.....	do	1,408	2 69	"
"	Front street, from Wall street to Maiden lane.....	Thomas Gearty....	1,611	2 69	"
April 2..	Water street, from Old slip to Coenties slip.....	W. A. Cumming...	1,044	2 86	"
"	West street, from Battery place to Chambers street.....	W. B. Reynolds ...	18,784	2 63	"
"	Forty-fifth street, from Sixth to Ninth avenue.....	Gore & Smith	8,347	2 53	"
"	Twenty-seventh street, from First to Fifth avenue.....	do	10,543	2 56	"
"	Twenty-eighth street, from First to Fifth avenue.....	do	10,875	2 63	"
"	Twenty-ninth street, from First to Fifth avenue.....	do	10,502	2 75	"
"	Twelfth street, from Second to Fourth avenue.....	Thomas Gearty....	3,354	2 79	"
"	Thirty-fifth street, from First to Second avenue.....	do	2,214	2 70	"
"	Thirty-sixth street, from Fourth to Fifth avenue.....	Charles Guidet.....	2,765	2 73	"
May 29..	Third avenue, from Bowery to Fourteenth street.....	do	9,538	2 64	"
"	Thirty-sixth street, from Sixth to Seventh avenue.....	do	2,467	2 68	"
"	Twentieth street, from Fourth avenue to Broadway.....	do	1,893	2 69	"
	Carried forward.....		163,524		

DATE OF LAYING.	LOCALITY OF PAVEMENT.	CONTRACTOR.	NUMBER OF SQUARE YARDS.	PAVE PER SQUARE YARD.	PROPORTION OF COST ASSIGNED.
1866.	Brought forward		163,524		
May 29..	Fourteenth street, from Third to Fourth avenue.....	Charles Guidet	2,593	\$2 67	all
"	Mulberry street, from Houston to Bleecker street.....	do	890	2 69	"
"	Catherine street, from Chatham to South street.....	W. A. Cumming....	5,364	2 57	"
"	Leonard street, between Broadway and Hudson street.....	do	3,883	2 49	"
July 9..	Cedar street, between Pearl street and North river	Thomas Gearty....	4,970	2 47	½
"	*Second street, from avenue D to Bowery.....	do	12,292	2 60	"
"	Charles street, from Hudson street to Greenwich avenue.....	do	4,007	2 52	"
"	Forty-ninth street, from Sixth to Eighth avenue.....	do	5,087	2 70	"
"	Thirty-first street, from Fifth to Sixth avenue.....	do	2,664	2 69	"
"	Thirty-ninth street, from Fifth to Sixth avenue.....	do	2,895	2 70	"
"	Worth street, from Broadway to Baxter street.....	do	3,880	2 79	all
"	Twenty-ninth street, from Fifth ave- nue to Broadway....	Stanley Gore.....	1,494	2 73	½
"	Twenty-fifth street, from Fifth to Sixth avenue.....	L. W. Johnson	2,624	2 70	all
August 16	*Eighth avenue, from Forty second to Fifty-eighth street.....	Robert Jardine....	21,000	2 57	"
"	*Second avenue, from Houston to Fourteenth street.....	J. W. Pettigrew...	15,330	2 67	"
"	Thirty-fourth street, from Third ave- nue to First avenue.....	do	4,874	2 72	"
"	Thirty-first street, from Eighth to Ninth avenue	George Kidney....	2,518	2 71	½
"	Fifty-fifth street, from Broadway to Eighth avenue	L. W. Johnson....	1,504	2 97	all
"	*Thirteenth street, from University place to First avenue.....	T. K. Downing....	7,830	2 75	"
"	*Vestry street, from Greenwich to West street.....	do	1,625	2 69	"
"	Duane street, from Hudson to West street.....	do	4,029	2 51	"
"	*Elizabeth street, from Bayard to Grand street.....	do	2,923	2 64	"
"	*Spring street, from Broadway to West street.....	do	12,000	2 51	"
"	Bleecker street, from Broadway to Bowery.....	do	3,000	2 69	½
	Total square yards.....		294,670		

STONE-BLOCK PAYMENTS have also been laid at private expense in the following streets :

LOCALITY.	NUMBER OF SQUARE YARDS.
Eleventh avenue, from Twenty fifth to Twenty-sixth street.....	1,332
Nassau street, from Pine to Cedar street.....	432
Irving place, from Fourteenth to Fifteenth street.....	841
Total.....	2,605

RECAPITULATION.	SQUARE YARDS.
Of stone-block pavements by contract.....	294,670
do do at private expense.....	2,605
Total square yards.....	<u>297,275</u>

New cobble-stone pavements have been laid in the following streets, viz. :

BY CONTRACT.

Eleventh avenue, from Fourteenth to Twenty-sixth street, excepting where previously done at private expense, George Kidney, contractor. No. of square yds., 10,222.

AT PRIVATE EXPENSE.

LOCALITY.	SQUARE YARDS NEW PAVEMENT.	SQUARE YARDS REPAVED.
Eleventh avenue, from Sixteenth to Twentieth street.....	5,933	262
Thirteenth avenue, from Sixteenth to Eighteenth street.....	866	3,601
Sixteenth street, from Tenth avenue to Hudson river.....	233	2,244
Seventeenth street, from Tenth avenue to Hudson river.....	.....	2,012
Twentieth street, from Tenth avenue to Hudson river.....	.....	2,097
TOTALS.....	7,032	10,216

Nicolson (wooden block) pavements have been laid—

BY CONTRACT.

Nassau street, from Pine to Wall street, 490 square yards.

NEW CROSSWALKS.

New crosswalks have been laid in pursuance of ordinances of the Common Council at the following places, viz. :

Twelfth street, at 400 feet west of Sixth avenue.

Fortieth street, between Third and Lexington avenues.

Third street, opposite to No. 228.

Courtlandt street, northeast to northwest corner of Greenwich street.

Watts street, southeast to southwest corner of Greenwich street.

West street, southeast corner of Charlton to wharf.

West street, northeast corner of Charlton to wharf.

West Twenty-third street, in front of Protestant church.

West street, southeast corner of Houston street to bulkhead.

Ann street, opposite No. 12.

King street, from No. 14 to northwest corner of Congress street.

Greenwich street, at intersection of Vandam street.

Spring street, in front of Clinton Market.

West street, opposite to No. 286.

Fifteenth street, at east and west sides of Livingston street.

Grand street, at east side of Laurens street.
 Laurens street, at south side of Grand street.
 West street, at north side of Canal street.
 Fourth avenue, at Seventeenth street.

AND AT PRIVATE EXPENSE ACROSS

Broadway, opposite to Hoffman House.

SCHEDULE No. 33.

BLOCK PAVEMENTS.

The following STATEMENT exhibits the locality and extent of all Block Pavements now laid or under contract, with the year in which the same were respectively commenced. Those dated prior to 1857 were not laid under the supervision of this Department.

DATE	LOCALITY.	BETWEEN	LINEAL FEET
1859	Avenue D	Houston and Eleventh streets	2,179
1864	Second avenue	Forty-second and Sixty-first streets	4,936
1866	"	Houston and Fourteenth streets	3,520
"	Third avenue	Bowery and Fourteenth street	1,978
1856	"	Forty-fourth and Fifty-sixth streets	3,070
1864	"	Fifty-sixth and Eighty-sixth streets	7,937
1866	"	One Hundred and Ninth and One Hundred and Twenty-ninth streets	4,886
1861	Fourth avenue	Seventeenth and Thirty-second streets	3,788
1859	"	Thirty-fourth and Thirty-eighth streets	970
"	Fifth avenue	Washington square and Forty-second st.	9,107
1862	"	Forty-second and Forty-ninth streets	1,766
"	"	Forty-ninth and Sixty-first streets	3,140
1858	Sixth avenue	Carminc and Forty-second streets	10,067
"	Eighth avenue	Hudson and Forty-second streets	8,437
1866	"	Forty-second and Fifty-eighth streets	4,193
1863	Ninth avenue	Twenty-third and Thirty-fourth streets	2,772
1859	"	Forty-fifth and Fifty-third streets	2,023
1864	"	Fifty-fourth street and Broadway	2,588
1866	Eleventh avenue	Twenty-fifth and Twenty-sixth streets	197
1856	Lexington avenue	Thirty-fourth and Forty-second streets	2,000
1861	"	Forty-second and Fifty-seventh streets	3,582
1857	Madison avenue	Twenty-third and Forty-second streets	4,872
1858	Astor place	Third and Fourth avenues	200
1860	Amity street	Broadway and Sixth avenue	2,030
1865	Barclay street	College place and West street	740
1859	Battery place	Broadway and North river	700
1863	Beekman street	Park row and South street	2,250
"	Beaver street	Broadway and Pearl street	1,400
1861	Bleecker street	Broadway and Eighth avenue	4,800
1866	"	Broadway and Bowery	1,070
1852	Bowery	Walker and Bayard streets	400
1856	"	Chatham square and Union square	7,450
1857	Bowery (New)	Chatham square and Franklin square	1,100
1849	Broadway	Battery and Franklin street (Russ)	5,750
1853	"	Canal and Franklin streets	780
1849	"	Canal and Fourteenth streets (Russ)	7,450

DATE	LOCALITY.	BETWEEN	LINEAL FEET
1862	Broadway.....	Seventeenth and Twenty-third streets..	2,000
1863	"	Twenty-third and Fifty-ninth streets..	9,420
1856	Canal street.....	East Broadway and Centre street.....	8,180
1862	"	Centre street and Broadway.....	680
1866	Catharine street....	Chatham and South streets.....	1,875
"	Cedar street.....	Pearl street and North river.....	2,450
1864	Centre street.....	Gore at Reade street.....	.....
1866	Charles street.....	Hudson street and Greenwich avenue..	1,550
1858	Columbia street....	Grand and Houston streets.....	2,180
1862	Courtlandt street...	Greenwich and West streets.....	540
1860	Chambers street....	Chatham street and Hudson river....	8,150
1862	"	Chatham street and James slip.....	1,500
1856	Chatham street....	Spruce street and Bowery.....	2,700
1863	Desbrosses street...	Washington and West streets.....	230
1859	Duane street.....	Chatham street and City Hall place...	210
1860	"	Broadway and Centre street.....	780
1862	"	Centre street and City Hall place.....	200
1866	"	Hudson and West streets.....	880
"	Elizabeth street...	Bayard and Grand streets.....	1,240
1862	Elm street.....	Reade and Duane streets.....	180
1864	East Broadway.....	Grand and Chatham streets.....	4,300
1866	Front street.....	Wall and Maiden lane.....	450
1856	Fulton street.....	East and North rivers.....	4,070
1864	Gramercy park.....	East side Twentieth and Twenty-first streets.....	184
1865	"	West side Twentieth and Twenty-first streets.....	184
1855	Greenwich street...	Courtlandt and Barclay streets.....	900
1856	"	Murray and Jay streets.....	1,075
1860	"	Battery and Gansevoort place.....	11,840
1853	Grand street.....	East river and Broadway.....	7,400
1864	Houston street.....	Avenue D and Bowery.....	4,000
1866	Irving place.....	Fourteenth and Fifteenth streets.....	206
1862	James slip.....	Chambers and South streets.....	450
1863	Jay street.....	Greenwich and Washington streets....	170
1866	Leonard street....	Broadway and Hudson street.....	1,500
1860	Manhattan alley..	Reade and Elm streets.....	340
1866	Mulberry street....	Houston and Bleeker streets.....	220
"	Nassau street.....	Pine and Cedar streets.....	240
1863	North Moore street.	Washington and West streets.....	180
1862	Pearl street.....	Peck slip and Fulton streets.....	570
1856	Perry street.....	Greenwich avenue and Waverley place,	250
1858	Park place.....	College place and Church street.....	370
"	Park row.....	Broadway and Chatham street (Russ)..	800
1860	Reade street.....	Broadway and Washington street.....	1,650
"	"	Broadway and City Hall place.....	875
1861	Rutherford place...	Sixteenth and Seventeenth streets....	184
1860	State street.....	Battery place and Whitehall street....	1,120
1862	South street.....	Whitehall and Oliver streets.....	5,000
1864	"	Oliver and Market streets.....	800

DATE	LOCALITY.	BETWEEN	LINEAL FEET
1866	Spring street.....	Broadway and West street.....	3,650
1862	University place....	Eleventh and Thirteenth streets.....	456
1866	Vestry street.....	Greenwich and West streets.....	300
"	Water street.....	Old slip and Coenties slip.....	425
1859	Wall street.....	Broadway and East river.....	1,960
1863	William street.....	Beaver and Exchange place.....	140
1864	".....	John and Fulton streets.....	350
1860	Whitehall street...	Broadway and State street.....	700
1861	Washington street..	Liberty and Spring streets.....	1,780
1862	West street.....	Liberty and Courtlandt streets.....	250
1864	".....	Hoboken and Watts streets.....	280
1865	".....	Hammond and Hoboken streets.....	3,800
1866	".....	Battery place and Chambers street....	4,200
"	Worth street.....	Broadway and Baxter street.....	1,300
1862	".....	Broadway and Hudson street.....	1,360
1866	Second street.....	Avenue D and Bowery.....	4,051
1869	Eighth street.....	First and Third avenues.....	1,260
1863	".....	Broadway and Sixth avenue.....	1,900
1860	Tenth street.....	Fourth avenue and East river.....	4,781
1861	".....	Fifth and Sixth avenues.....	920
1862	Eleventh street....	Broadway and University place.....	600
1866	Twelfth street.....	Second and Fourth avenues.....	1,140
1862	Thirteenth street...	Fifth avenue and University place....	360
1866	".....	First avenue and University place....	1,280
"	Fourteenth street...	Third and Fourth avenues.....	750
1864	Sixteenth street....	Fifth and Sixth avenues.....	920
1865	".....	Fifth avenue and Union square.....	400
1868	Seventeenth street..	Union square and First avenue.....	2,380
1859	Eighteenth street...	Broadway and Sixth avenue.....	1,280
"	Twentieth street...	Fifth and Sixth avenues.....	920
1861	".....	Broadway and Fifth avenue.....	290
1865	".....	Third and Fourth avenues.....	920
1866	".....	Broadway and Fourth avenue.....	560
1863	Twenty-first street.	Fifth and Sixth avenues.....	920
1865	".....	Third and Fourth avenues.....	920
1864	Twenty-second st...	Fifth and Sixth avenues.....	920
1862	Twenty-third street.	Third avenue and 400 feet west Tenth av.	5,860
1866	Twenty-fifth street.	Fifth and Sixth avenues.....	840
1861	Twenty-sixth street.	Sixth and Madison avenues.....	1,280
1865	".....	Lexington and Madison avenues.....	850
1866	Twenty-seventh st..	First and Fifth avenues.....	3,185
"	Twenty-eighth st...	First and Fifth avenues.....	3,185
1860	".....	Eighth and Ninth avenue.....	800
1866	Twenty-ninth street	First and Fifth avenues.....	3,185
1866	".....	Fifth avenue and Broadway.....	450
"	Thirty-first street..	Fifth and Sixth avenues.....	840
1861	".....	Sixth and Seventh avenues.....	800
1866	".....	Eighth and Ninth avenues.....	800
1864	Thirty-second street	Second and Third avenues.....	610
1866	".....	Broadway and Fifth avenue.....	750
1864	".....	Sixth and Seventh avenues.....	800

DATE	LOCALITY.	BETWEEN	LINEAL FEET
1863	Thirty-second st...	Eighth and Ninth avenues.....	800
1859	Thirty-fourth street,	Third and Lexington avenues.....	420
1860	"	Fourth and Ninth avenues.....	4,245
1863	"	Lexington and Fourth avenues.....	405
1866	"	Third and First avenues.....	1,360
"	Thirty-fifth street..	First and Second avenues.....	660
1863	"	Second and Third avenues.....	610
1860	"	Fourth and Lexington avenues.....	405
1861	Thirty-sixth street.	Fourth and Lexington avenues.....	405
1866	"	Fourth and Fifth avenues.....	825
1859	"	Fifth and Sixth avenues.....	920
1866	"	Sixth and Seventh avenues.....	725
1859	Thirty-seventh st...	Fifth and Sixth avenues.....	920
"	"	Lexington and Fourth avenues.....	405
1862	"	Madison and Fifth avenues.....	420
1866	"	Madison and Park avenues.....	405
1861	Thirty-eighth street.	Fourth and Eighth avenues.....	3,445
1863	Thirty-ninth street.	Madison and Fourth avenues.....	405
1859	"	Second and Third avenues.....	610
1866	"	Fourth and Lexington avenues.....	405
"	"	Fifth and Sixth avenues.....	920
1860	Fortieth street.....	Second and Third avenues.....	610
1864	"	Ninth and Tenth avenues.....	800
"	Forty-first street ..	Third and Fourth avenues.....	825
"	"	Fifth and Madison avenues.....	420
1863	Forty-second street.	Fifth and Sixth avenues.....	920
1859	"	Sixth and Seventh avenues.....	725
1860	"	Eighth avenue and Broadway.....	900
1864	Forty-third street..	Fifth and Sixth avenues.....	920
1859	"	Seventh and Eighth avenues.....	800
1861	"	Ninth and Tenth avenues.....	800
1859	Forty-fourth street..	Sixth avenue and Broadway.....	750
1866	"	Broadway and Ninth avenue.....	1,600
1860	"	Ninth and Tenth avenues.....	800
1863	Forty-fifth street..	Second and Third avenues.....	610
1860	"	Third and Lexington avenues.....	420
"	"	Fifth and Sixth avenues.....	920
1866	"	Sixth and Ninth avenues.....	2,400
1865	"	Ninth and Tenth avenues.....	800
1859	Forty-sixth street..	Fifth and Sixth avenues.....	920
1866	"	Fourth and Lexington avenues.....	405
1863	Forty-seventh st...	Third and First avenues.....	1,260
"	"	Fifth and Sixth avenues.....	920
1862	"	Sixth and Seventh avenues.....	800
1863	Forty-eighth street.	Second and Third avenues.....	610
1859	"	Sixth and Seventh avenues.....	800
1860	"	Broadway and Eighth avenue.....	540
1864	"	Eighth and Ninth avenues.....	800
1859	Forty-ninth street..	Third and Lexington avenues.....	420
1863	"	Lexington and Sixth avenues.....	2,465

DATE	LOCALITY.	BETWEEN	LINEAL FEET
1868	Forty-ninth street..	Third avenue and East river.....	1,960
1866	"	Ninth and Tenth avenues.....	800
"	"	Sixth and Eighth avenues.....	1,625
1861	Fiftieth street.....	Second and Third avenues.....	610
1862	"	First and Second avenues.....	650
1859	Fifty-first street...	Second and Fourth avenues.....	1,435
"	Fifty-second street.	Second and Third avenues.....	610
1868	"	Third and Fourth avenues.....	885
1865	"	Seventh and Eighth avenues.....	725
1868	Fifty-third street..	Third and Fourth avenues.....	835
1859	"	Broadway and Eighth avenue	580
1861	"	Second and Third avenues.....	610
1868	Fifty-fourth street.	Third and Sixth avenues.....	2,885
"	"	Second and Third avenues.....	610
1861	Fifty-fifth street...	First and Third avenues.....	1,260
1865	"	Third and Fourth avenues.....	825
1866	"	Broadway and Eighth avenue.....	420
"	Fifty-seventh street	*Fifth and Eighth avenues.....	.....
1864	"	Eighth and Eleventh avenues.....	2,500
"	Fifty-eighth street.	Second and Third avenues.....	610
1865	Fifty-ninth street..	Second and Third avenues.....	610
1864	Sixtieth street.....	Third and Lexington avenues.....	420
"	"	Broadway across Ninth avenue.....	600
1865	Sixty-first street...	Third avenue and East river.....	2,160
"	Seventy-first street.	Third and Fourth avenues.....	920
1866	Seventy-ninth st...	Fifth avenue and East river....	6,450
Total lineal feet.			858,742

The total length of Stone Block Pavements now laid, or in progress, is 67 miles, 5,082 feet.

In estimating for this table the double measurement of intersections has been avoided.

* The contract for this work has been made, but its undertaking has been deferred indefinitely under a resolution of the Common Council. Its estimated length is therefore omitted.

SCHEDULE No. 34,

Exhibiting the various ordinances for NEW PAVEMENTS which have been received from time to time, but under which contracts have not yet been made.

Table A embraces only the ordinances for stone-block pavements, the cost of which, if undertaken and completed, is by the terms of said ordinances to be paid either wholly or in part from the City Treasury.

A.

STREET.	BETWEEN	ESTIMATED NUMBER OF SQUARE YARDS.	PROPORTION OF COST ASSUMED BY CITY.	ESTIMATED AMOUNT TO BE PAID FROM CITY TREASURY.
Centre street.....	Chambers and Broome.....	14,200	all	\$40,470
South street.....	Pier No. 35 and Corlears street.....	27,500	"	78,375
Twenty-third street.....	Third avenue and East river.....	11,125	"	81,700
Thirty-first street.....	Fifth and Madison avenues.....	1,378	½	2,000
Broome street.....	Bowery and Broadway.....	6,200	all	17,670
Ninth avenue.....	Fourteenth and Twenty-third streets Thirty-fourth and Forty-second sts..	81,800	"	90,630
Lafayette place.....	Great Jones and Eighth street.....	4,632	½	6,950
Ninth street.....	Broadway and Sixth avenue.....	6,982	½	10,400
Fifteenth street.....	Union square and First avenue.....	7,500	½	11,250
Nineteenth street.....	Sixth and Tenth avenues.....	10,300	½	15,450
Fifteenth street.....	Fifth and Ninth avenues.....	11,600	½	17,400
Fourteenth street.....	Union place and Tenth avenue.....	22,700	½	34,000
Tenth avenue.....	Fourteenth and Twenty-third streets.....	13,702	½	20,500
Forty-ninth street.....	Ninth and Tenth avenues.....	2,720	½	4,000
Reade street.....	Washington and West streets.....	910	½	1,350
Third avenue.....	Fourteenth and Forty-fourth streets.....	35,500	½	53,250
Second avenue.....	Fourteenth and Thirty-fourth streets.....	20,700	½	31,000
Seventh street.....	Avenues C and D.....	2,100	½	3,150
Eighteenth street.....	Union square and First avenue.....	7,400	½	11,100
Thirty-ninth street.....	Seventh and Eighth avenues.....	2,504	½	3,750
Frankfort street.....	Chatham and Pearl streets.....	2,350	½	3,525
Thirtieth street.....	Second and Third avenues.....	1,951	½	2,925
Nineteenth street.....	First avenue and Broadway.....	9,500	½	14,250
Forty-second street.....	Eighth avenue and Hudson river.....	22,100	½	33,150
Forty-fifth street.....	Sixth and Ninth avenues.....	7,954	½	11,930
William street.....	Pearl and Old slip.....	7,500	½	11,250
Morris street.....	Broadway and West street.....	1,057	½	1,580
Rector street.....	do do.....	1,300	½	1,950
Liberty street.....	Maiden lane and North river } Liberty street and East river }	10,073	½	15,100
Maiden lane.....	Fifth and Sixth avenues.....	3,100	½	4,650
Twelfth street.....	Sixth and Seventh avenues.....	2,500	½	3,750
Eleventh street.....	First and Second avenues.....	2,000	½	3,000
Thirtieth street.....	Second avenue and East river.....	2,000	½	3,000
Thirty-eighth street.....	do do.....	1,950	½	2,925
do do.....	do do.....	2,900	½	4,350
Watts street.....	Greenwich and West streets.....	1,500	½	2,250
Forty-sixth street.....	Sixth and Seventh avenues.....	2,500	½	3,750
Fifty-second street.....	Seventh and Eighth avenues.....	2,500	½	3,750
Fifth street.....	Second avenue and Bowery.....	1,950	½	2,925
Third street.....	Avenues A and C.....	3,900	½	5,850
Ninth avenue.....	Fortieth and Forty-fifth streets.....	8,200	½	12,300
Franklin street.....	Broadway and West Broadway.....	3,000	½	4,500
Twenty-sixth street.....	Sixth and Ninth avenues.....	7,900	½	11,850
Total amount.....				\$649,805

The ordinances for the following stone-block pavements, also ordered to be undertaken partly at the expense of the city, having been passed by the Common Council after

the enactment by the Legislature of the clause in the "Tax-levy" forbidding any expenditure by the executive departments in excess of the authorized appropriations, they have not been estimated.

PROPOSED LOCALITY.	PROPORTION OF COST TO BE PAID BY CITY.
Twelfth street, from Broadway to Fifth avenue..... Sixth avenue, from Forty-second to Fifty-ninth street.... Second and Third avenues, from Twenty-sixth to Forty-second street..... Thirtieth street, from Eighth to Ninth avenue..... Irving place, from Nineteenth street to Gramercy park..... Bank street, from Bleecker street to Greenwich avenue..... Charlton street, from Macdougall to West street..... Sixteenth street, from Rutherford place to Fourth avenue..... Houston street, from Broadway to West street..... Prince street, from Broadway to Macdougall street..... Thirty-eighth street, from First to Fourth avenue.....	

B.

The Ordinances directing the construction of Stone-block Pavements in the following streets provide for an assessment of the entire cost upon the property benefited. The work under these ordinances has been delayed for the reasons appended :

LOCALITY.

- Broadway, from Fifty-ninth to Seventy-second street.
(This part of Broadway was recently macadamized.)
- Park avenue, from Thirty-eighth to Forty-third street.
(The proposed parks in the center of the avenue have not been completed.)
- Forty-seventh street, from Eleventh avenue to Hudson river. (Regulated and curbed and guttered in part only.)

- Forty-eighth street, from Fifth to Sixth avenue. (Not properly curbed.)
- Fifty-second street, from Sixth to Seventh avenue. (A sewer in progress.)
- Fifty-sixth street, from Third to Sixth avenue. (Not curbed.)
- Fifty-eighth street, from Lexington to Third avenue. (Not properly curbed.)
- Sixty-fifth street, from Eighth to Tenth avenue. (Not regulated or curbed.)
- Fifty-fourth street, from First to Second avenue. (Not properly curbed.)
- Fiftieth street, from Sixth avenue to Broadway. (Not properly curbed.)
- Fifty-ninth street, from Tenth avenue to Hudson river. (Street needs regulating and curb resetting.)
- West street, from Watts to Chambers. (The curb not set on proper grade.)
- Ninety-second street, from Third avenue to East river. (Curb and gutter not set.)
- Thirty-fourth street, from Tenth to Eleventh avenue. (Street not regulated or curbed to grade.)
- Thirty-fourth street, from Eleventh avenue to Hudson river. (Street not regulated or curbed to grade.)
- Seventy-third street, from Third to Fifth avenue. (Not fully curbed.)
-

The following were advertised to be let on the 26th of September last, but have been laid over in consequence of the refusal of the Comptroller to be present at the opening of the bids :

Thirtieth street, from First to Fifth avenue.
 Forty-eighth street, from Seventh avenue to Broadway.
 Fifty-third street, from Sixth to Seventh avenue.
 Pine street, from South to Front street.
 Pine street, from Front to Pearl street.
 William street, from Beaver to Pearl street.
 Front street, from Wall street to Old slip.
 Vestry street, from Greenwich to Canal street.
 Fiftieth street, from Seventh to Ninth avenue.
 Canal street, from Broadway to West street.
 Fifty-ninth street, from Fifth to Eighth avenue.
 Fifty-ninth street, from Eighth to Tenth avenue.

The following, received too late in the season, will, together with those laid over, be put under contract early in the coming season :

Church street, from Chambers to Canal.
 Eighteenth street, from Second avenue to Broadway.
 Twelfth street, from Fourth to Fifth avenue.
 Fifty-ninth street, from First to Second avenue.
 Hudson street, from Canal street to Ninth avenue.
 Fiftieth street, from Third to Fourth avenue.
 Fifty-third street, from Eighth to Eleventh avenue.
 Park avenue, from Thirty-eight street to Fortieth street.
 Eighty-fourth street, from Third to Fourth avenues.
 First avenue, from Thirty-sixth to Thirty-ninth street.
 Fourteenth street, from University place to Ninth avenue.
 Thirty-third street, from Fourth to Madison avenue.
 Thirty-eighth street, from Lexington to Fourth avenue.
 Thirty-second street, from Fourth to Fifth avenue.
 Second avenue, from Sixty-first to Eighty-sixth street.
 Forty-ninth street, from Eighth to Ninth avenue.

The following ordinances for COBBLE STONE PAVEMENTS have also been laid over :

Nineteenth street, from Tenth to Twelfth avenue. (Street not curbed.)

Bank street, from West street to Hudson river.

SCHEDULE No. 36.

MISCELLANEOUS CONTRACTS AWARDED IN 1866.

- For construction of smith-shop foot of Twenty-fourth street, East river. Awarded to Daniel Hogencamp, May 5, 1866. Amount..... \$1,140 00
- For construction of wooden wharf and coal-shed. Awarded to Edward Roach and Joshua B. Jenkins, May 11, 1866. Amount..... \$8,670 83
- For construction of reservoir and two gate-houses at Carmansville. Awarded to Edward Roach and Joshua B. Jenkins, June 7, 1866.
- For supply of
 5,000 lineal feet 12-inch iron pipe, \$2.55 per lineal foot
 16,000 lineal feet 6-inch iron pipe, at \$1.35 per lineal foot.
- 1,000 lineal feet 4-inch iron pipe, at 84 cents per lineal foot. Awarded to Warren Foundry and Machine Company, August 6, 1866.
- For supply of
 1,300 feet of 20-inch iron pipe, at \$78 per ton of 2,240 pounds, and forty-two tons of special castings, at \$95 per ton of 2,240 pounds. Awarded to B. A. Starr, agent Camden Iron Works, August 6, 1866.
- For Superintendent's house in Central Park. Awarded to John J. Vanderbilt, at \$11,390, August 28, 1866.
- For building a dam and appurtenances in the town of Kent, Putnam county, for Storage Reservoirs. Awarded to Edward Roach, Joshua B. and Simeon S. Jenkins, August 28, 1866.

SCHEDULE No. 37.

LOCALITIES OF DISUSED WELLS FILLED IN OR COVERED OVER
IN 1866.

Filled to surface of street.

Northeast corner of Franklin street, and West Broadway.

Amity place, north side, 100 feet south of Amity street.

Northwest corner of Twentieth street and Ninth avenue.

Northwest corner of Thirteenth street and Third avenue.

Northeast corner of Twenty-first street and Broadway.

Northeast corner of Spring and Greenwich streets.

Junction of Park row and Broadway.

Willet street, near northwest corner Stanton street.



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